REPORT ON THE 1985 DISCHARGES

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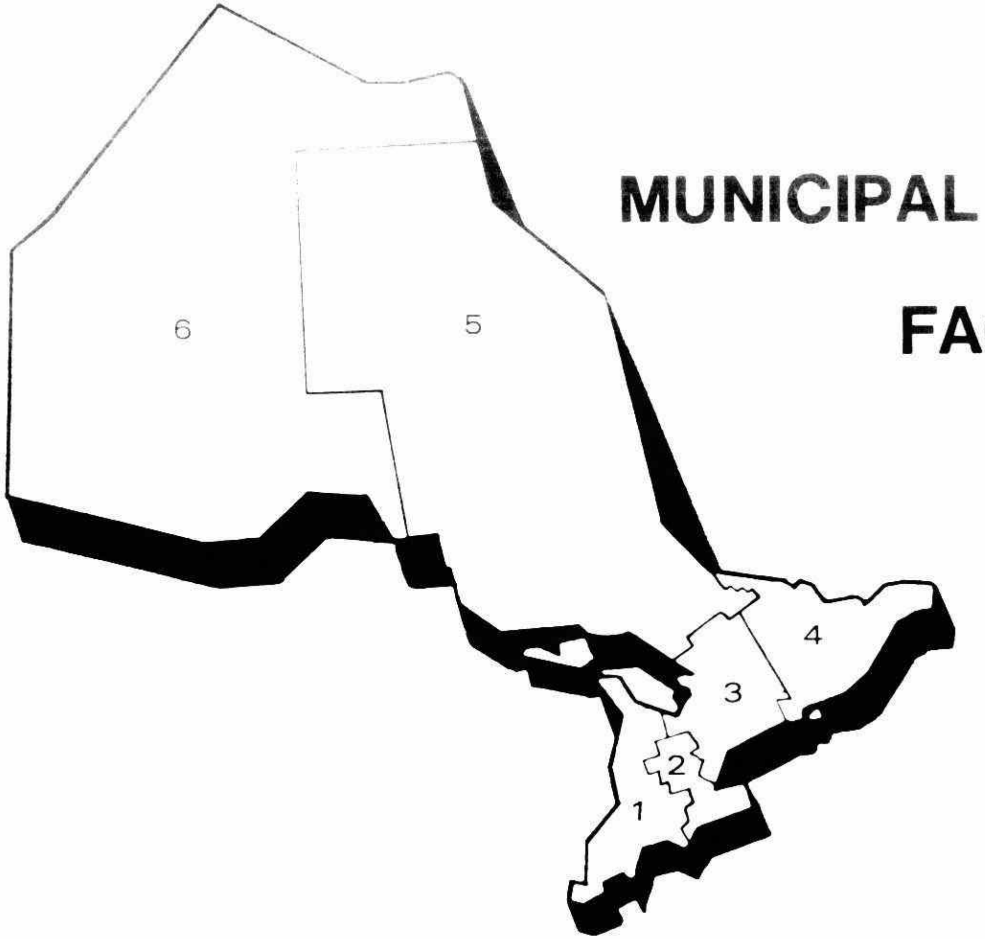

Ministry
of the
Environment
Ontario

DECEMBER 1986

Ministry
of the
Environment
Ontario

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REPORT ON THE 1985 DISCHARGES FROM MUNICIPAL WASTEWATER TREATMENT FACILITIES IN ONTARIO

DECEMBER 1986

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FOREWORD

The Ministry of the Environment is concerned with the protection and enhancement of the natural environment. The release of untreated or partially treated sanitary wastes to a lake or river may render the watercourse, particularly in the immediate discharge area, unusable for many purposes. Since such discharges can threaten public health and can disrupt plant and animal life cycles, the adequate treatment of wastes to achieve satisfactory effluent qualities is a major concern of this Ministry.

In order to meet the goals and objectives of good water quality management, the Ministry inspects and regulates all communal wastewater facilities; monitoring their performance programs. The administration of these services and programs is carried out on a regional basis. To complement the sampling programs and the various water quality management programs, the Water and Wastewater Management Section of the Water Resources Branch, in co-operation with our Regional Offices, has produced this publication to provide a comprehensive assessment and listing of all municipal wastewater treatment facilities operating in Ontario.

The 1985 report has been expanded to include all (403) municipal wastewater treatment facilities in the Province (previous reports only included the 100 or so major facilities, 1 mgd or larger, in the Great Lakes Basin). The changes also include a discussion on audit and inspection procedures as well as the need for tighter controls regarding monthly assessment. The topic of hazardous contaminants is also addressed.

ABBREVIATIONS

MOE	Ministry of the Environment (Ontario)
MISA	Municipal Industrial Strategy for Abatement
BAT	Best available technology
10^3m^3/day	Thousand cubic metres per day
C of A	Certificate of Approval
mIgd	Million Imperial gallons per day
BOD	Biochemical Oxygen Demand
SS	Suspended Solids
TP	Total Phosphorus
mg/L	Milligrams per litre

REPORT ON THE 1985 DISCHARGES FROM MUNICIPAL WASTEWATER TREATMENT FACILITIES IN ONTARIO

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REPORT ON THE 1985 DISCHARGES FROM MUNICIPAL WASTEWATER TREATMENT FACILITIES IN ONTARIO

1.0 INTRODUCTION

The adequate treatment of sanitary wastewater has been a high priority of the Ministry of the Environment (formerly the Ontario Water Resources Commission) since its inception in 1957. Since that time more than $5 billion has been spent by the three levels of government on associated wastewater treatment works.

In 1985, sanitary wastes from approximately 7.0 million people (82% of Ontario's population) were collected and treated at 403 communal wastewater treatment systems throughout the Province. Sanitary wastes from the remaining population, located in non urban areas, are for the most part treated in private systems (septic tank/tile field systems) serving individual residences.

The 403 municipal wastewater treatment facilities in the province have a total hydraulic capacity of 5968 x $10^3 m^3$/day (1313 mIgd) and treat on the average a daily flow of 4939 x $10^3 m^3$/day (1086 mIgd). These facilities remove an estimated 325,000 tonnes of Suspended Solids (and BOD) and 9,000 tonnes of Phosphorus annually.

Wastewater facilities which treat sanitary wastes from communities are either operated by the municipality or by the Ministry of the Environment. For the most part, the larger facilities are owned and operated by the municipality (ies) they serve. The Ministry operates a number of facilities (mainly on behalf of smaller municipalities) throughout the province.

Municipally operated facilities numbered 171 in 1985 (actual capacity 4540 x $10^3 m^3$/day) and treated a total of 3838 x $10^3 m^3$/day (844 mIgd) while Ministry operated facilities numbered 232 (actual capacity 1428 x $10^3 m^3$/day) but only treated 1,100 x $10^3 m^3$/day (242 mIgd). Both municipally operated and Ministry operated sewage treatment facilities will be referred to as municipal wastewater treatment facilities for the remainder of the report.

2.0 COMPLIANCE, NON COMPLIANCE AND ABATEMENT STATUS

Municipal wastewater treatment facilities discharging to surface waters throughout the province must meet effluent requirements specified by the Ministry of the Environment. Such requirements may be site specific as indicated in the Certificate of Approval or general as outlined in MOE Policy 08-01 "Levels of Treatment of Municipal and Private Sewage Treatment Works Discharging to Surface Waters" and MOE Policy 08-04 "Provision and Operation of Phosphorus Removal Facilities at Municipal, Institutional and Private Sewage Treatment Works."

For the purpose of this report, the wastewater treatment facilities are evaluated on the general operating requirements (MOE Policy 08-01 and 08-04) based on annual average values for the conventional parameters: BOD, Suspended Solids, and Total Phosphorus. The TUMMIS computer program, which will be operational for the 1986 assessment, will be capable of evaluating all parameters with general or site specific effluent requirements.

ANNUAL AVERAGE EFFLUENT REQUIREMENTS
(Based on Policies 08-01 and 08-04)

	PARAMETER		
Type of Treatment	BOD	Suspended Solids	Total Phosphorus
PRIMARY:			
without P removal	30 (% removal)	50 (% removal)	-
with P removal	50 (% removal)	70 (% removal)	1.0 mg/L
SECONDARY:			
without P removal	25 mg/L	25 mg/L	-
with P removal	25 mg/L	25 mg/L	1.0 mg/L
LAGOONS:			
without P removal	30 mg/L	40 mg/L	-
continuous P removal	30 mg/L	40 mg/L	1.0 mg/L
batch P removal	25 mg/L	25 mg/L	1.0 mg/L

Note: 1. Communal Septic Tank evaluation based on Primary Treatment requirements.
2. % removal and effluent concentrations shown above are annual average values.

2.1 AUDIT, SAMPLING AND INSPECTIONS

The UMIS (Utility Monitoring and Information System) and TUMMIS (Total Utility Monitoring and Management Information System) are the two computer information systems utilized in the storage and audit of data from wastewater treatment facilities throughout the Province. UMIS is used to store the operating data while TUMMIS is used to audit the operating data against effluent requirements/removal efficiencies specified in Policy 08-01 or in the C of A's for each facility. All data are submitted by the operating authority.

Under the requirements outlined in MOE policy 08-06 "Policy to Govern Sampling and Analysis Requirements for Municipal and Private Sewage Treatment Works (Liquid Waste Streams Only)" wastewater treatment facilities are required to provide a minimum of one sample per month (24 hour composite) of the influent and effluent waste streams for analysis at a MOE laboratory. Many of the municipally operated facilities supplement this minimum requirement by doing daily or weekly analysis at their own laboratory. This information, which includes data on flow and influent/effluent concentrations for the conventional parameters, is sent to this Ministry on a monthly basis and stored in the UMIS computer file.

Facilities operated by the MOE submit samples to MOE laboratories on a minimum basis of twice monthly (every 13 days) for mechanical plants and as necessary during discharge periods for lagoon type facilities. In-plant analyses are also performed on a regular basis, the intensity being dependent upon the size and operational complexities. The monthly information submitted to the UMIS file from MOE operated facilities includes flow, influent/effluent concentrations for the conventional parameters plus operational information pertaining to unit process performance and chemical usage.

Inspections carried out at municipally operated wastewater treatment systems throughout the Province fall under the responsibility and jurisdiction of the regional Operations Division of this Ministry. For the most part all municipally operated wastewater treatment facilities are scheduled for inspection on an annual basis. During these site visits, MOE staff will visually inspect the facility and discuss operational procedures with the operating authorities (effluent quality/removal efficiency information available through UMIS and TUMMIS are used by MOE district staff to assess operation). The operating authority is formally made aware of any deficiencies by way of inspection reports. If warranted, follow up inspections will be scheduled until the identified problems are corrected. The ultimate responsibility for implementing remedial programs is that of the operating authority. Financial commitment by the municipality is the major factor affecting the time required to implement remedial programs and meet effluent requirements.

At Ministry operated facilities operating assessment is continually being carried out by regional staff responsible for these facilities. The UMIS and TUMMIS computer programs are used to store and audit data. Daily operations are controlled by on-site staff employed by the Ministry. Major capital improvements must be approved by municipal authorities. Remedial programs may be prolonged because of funding problems.

2.2 COMPLIANCE

The majority (70%) of municipal wastewater treatment facilities met the general operating requirements of the MOE. These 284 facilities treat the wastes from approximately 54% of the total population (51% of the total sewage flow) served by communal facilities in the province.

2.3 NON-COMPLIANCE AND REMEDIAL MEASURES

Of concern to this Ministry, are the facilities which do not meet the operating requirements identified in Section 2.0. In 1985 there were 99 facilities which failed to meet, on an annual average basis, at least one of the conventional parameters (BOD, Suspended Solids, Total Phosphorus). Of this number, 17 were only marginally out of compliance (marginal non-compliance means less than 1 mg/L above the requirements for BOD and Suspended Solids and less than 0.1 mg/L above the requirement for Total Phosphorus).

Municipal wastewater facilities not meeting effluent requirements in 1985 are listed alphabetically by Region in Appendix A. The municipal name, type of treatment, and non-compliance parameter (and concentration) are shown along with the remedial programs (O-operational, E-expansion of facilities, M-modifications to equipment or collection system) and anticipated compliance date. For Primary Treatment systems (P) the % removal is shown below the non-compliance concentration. Facilities operated by the MOE are highlighted with an asterisk (*).

While non-compliance in any one year is undesirable, failure for two or more successive years indicates that immediate remedial action should be implemented. Table I lists by Region, municipal wastewater treatment facilities failing one or more conventional parameters for the last 3 years (1983, 1984 and 1985). Over the 3 year period, 32 continually failed one or more parameters.

Some facilities fail because of operational inadequacies, some require modifications to process equipment or the collection system, and others require major capital expansion. Facilities requiring capital expansions or modifications usually require a longer period of time to complete. The province provides up-front grants for 15% of the eligible capital expenditures for larger municipalities. Smaller municipalities may be eligible for high cost grants (up to 85% of eligible costs) to assist in major expansions.

TABLE 1
MUNICIPAL WASTEWATER TREATMENT FACILITIES NOT MEETING ANNUAL EFFLUENT REQUIREMENTS IN 1983, 1984 and 1985

LEGEND

MUNICIPAL CLASSIFICATION

RM	Regional Municipality
C	City
T	Town
V	Village
ST	Separated Town
Twp.	Township
UM	Unorganized Municipality
DAB	Development Area Board

OTHER

*	MOE operated
m	marginal non compliance

TABLE I
MUNICIPAL WASTEWATER TREATMENT FACILITIES NOT MEETING ANNUAL EFFLUENT REQUIREMENTS IN 1983, 1984 and 1985

FACILITIES	1983			1984			1985		
Southwest	BOD	SS	TP	BOD	SS	TP	BOD	SS	TP
Alvinston (V)*			x			x			x
Amherstburg (T)	x	x	x	x	x	x	x	x	x
Blenheim (T)*		x			x			x	
East Zorra (Twp) (Tavistock)*	x	x	x	x			x	x	
Exeter (T)*		x	x		x	x		x	x
Forest (T)*	x	x			x		x	x	
Glencoe (V)*		x			x	x		m	
Kingsville (T)	x	x	x			x		x	
Moore (Twp) (Courtright)*			x			x			m
Point Edward (V)*			x			x			x
Ridgetown (T)*	x	x	x	x	x			x	
Strathroy (T)			x			x			x
Tilbury (T)			x			x			x
West Lorne (V)*		x			x			x	

* MOE operated
m: Marginal non-compliance

TABLE I (Cont'd)
MUNICIPAL WASTEWATER TREATMENT FACILITIES NOT MEETING ANNUAL EFFLUENT REQUIREMENTS IN 1983, 1984 and 1985

FACILITIES	1983			1984			1985		
West Central Region	BOD	SS	TP	BOD	SS	TP	BOD	SS	TP
Arthur (V)*		x				x		x	
Hamilton (C)			x			x			x
Nanticoke (T) (Jarvis)*		x			x		x	x	
Palmerston (T)*	x	x		x	x		x	x	
Woolwich (Twp) (Elmira)*		x	x	x	x	x	x	x	x

* MOE operated
m: Marginal non-compliance

TABLE I (Cont'd)
MUNICIPAL WASTEWATER TREATMENT FACILITIES NOT MEETING ANNUAL EFFLUENT REQUIREMENTS IN 1983, 1984 and 1985

FACILITIES	1983			1984			1985		
Central Region	BOD	SS	TP	BOD	SS	TP	BOD	SS	TP
Metro Toronto (Humber)			x		x	x			m
Muskoka Lakes (Twp) (Bala)			x		x	x	x	x	m

* MOE operated
m: Marginal non-compliance

TABLE I (Cont'd)
MUNICIPAL WASTEWATER TREATMENT FACILITIES NOT MEETING ANNUAL EFFLUENT REQUIREMENTS IN 1983, 1984 and 1985

FACILITIES	1983			1984			1985		
Northeast Region	BOD	SS	TP	BOD	SS		BOD	SS	TP
Cochrane (T)	x	x		x	x			x	
Haileybury (T)* (Lake Temiskaming Old)	x	x			m		x	x	
Kapuskasing (T) (Brunetville)	x				x		m	x	
North Bay (C)*		x	x			x		x	x

* MOE operated
m: Marginal non-compliance

TABLE I (Cont'd)
MUNICIPAL WASTEWATER TREATMENT FACILITIES NOT MEETING ANNUAL EFFLUENT REQUIREMENTS IN 1983, 1984 and 1985

FACILITIES	1983			1984			1985		
Southeast Region	BOD	SS	TP	BOD	SS	TP	BOD	SS	TP
Almonte (T)*			x			x		m	x
Carleton Place (T)*		x			x	x		x	x
Cornwall (C)*	x	x		x			x		
Ernestown (Twp) (Amherstview)*		x		x	x			x	
Kemptville (T)			x			x			x
Napanee (T)			x			x			x
Westport (V)*		x			x	x		m	

* MOE operated
m: Marginal non-compliance

Facilities with operating problems however should be able to correct these differences within a reasonable amount of time once the problem is identified. The Ministry is currently developing a program to assist municipalities to identify problems and develop abatement schedules at non-compliance facilities.

Table II lists for the years 1981 through to and including 1985 the total number of municipal wastewater treatment facilities in the Province along with the numbers not meeting effluent requirements.

TABLE II
ANNUAL COMPLIANCE SUMMARY FOR
MUNICIPAL WASTEWATER TREATMENT FACILITIES (1981-1985)

Year	Total No. of Facilities	Facilities Not Meeting Effluent Requirements
1981	389	94
1982	392	107
1983	391	100
1984	400	89
1985	403	99

The above table shows that over the past five years the number of facilities not meeting effluent requirements ranged between 89 and 107. Table I indicates that about 30% of the facilities have consistently failed over the last three years. This would indicate that the remaining 70% of the non-compliance facilities fail on a random basis.

2.4 INSUFFICIENT DATA

Municipal wastewater treatment facilities are required to submit influent and effluent samples on a monthly basis to be analysed at MOE laboratories. This information is used to assess compliance.

In 1985, twenty (20) operating authorities failed to provide adequate information to assess effluent quality. These are listed in Table III. It should also be pointed out that 16 other facilities in the Province did not discharge to surface waters in 1985. Most of these are exfiltration facilities or lagoons that did not require discharge during the year. These facilities are listed in Table IV.

TABLE III
MUNICIPAL WASTEWATER TREATMENT FACILITIES WITH INSUFFICIENT DATA TO ASSESS COMPLIANCE FOR 1985

SOUTHWEST REGION

Oil Springs (V)*
Port Burwell (V)* (Start up April 1985)

WEST CENTRAL REGION

Brantford (Twp) - Cainsville
Mount Forest (T)

CENTRAL REGION

Georgina (Twp) - Keswick (Start up September 1985)

SOUTHEAST REGION

Cornwall (Twp) - Long Sault
Iroquois (V)
Pembroke (C)

NORTHEAST REGION

Black River Matheson (Twp) - Holtyre
Black River Matheson (Twp) - Holtyre Ross
Chapleau (T) (to be phased out in 1986 - replaced with Lagoon)
Haileybury - New (T)* (start up Nov. 1985)
Iroquois Falls (T) - Porquis
Larder Lake (Twp) (no access to effluent)
Michipicoten (Twp) - Wawa
Opasatika (Twp)* - Opasatika
Temagami (Twp)* - Temagami
Val Rita - Harty (Twp)* - Harty

NORTHWEST REGION

Baird (Twp)* - Madsen
Golden (Twp) - Balmertown - Cochenour (communal septic tank to be phased out in 1986)

* MOE operated

TABLE IV
MUNICIPAL WASTEWATER TREATMENT FACILITIES WITH NO DISCHARGE TO SURFACE WATERS IN 1985

SOUTHWEST REGION

Dover (Twp)* - Mitchell's Bay	(No discharge in 1985)
St. Edmunds (Twp)	(Exfiltration)

WEST CENTRAL REGION

Brantford (Twp) - Airport	(Communal Septic Tank - Tile Field)
Port Colborne (C) - West	(Standby Facility)
Nanticoke (C)* - Townsend	(No discharge in 1985)

CENTRAL REGION

Beeton (V)*	(Exfiltration)
Bicroft (Twp) - Cardiff	(Exfiltration)
Brock (Twp) - Beaverton R.1	(Exfiltration)
Wasaga Beach (T)*	(Exfiltration)

SOUTHEAST REGION

Russell (Twp)* - Russell	(No discharge in 1985)
St. Isidore de Prescott (V)*	(No discharge in 1985)

NORTHWEST REGION

Beardmore (Twp)* - Beardmore	(Exfiltration)
Caramat (UM)	(Exfiltration)
Golden (Twp)* - Cochenour	(New Lagoon - No discharge in 1985)
Terrace Bay (Twp)	(Exfiltration)
Terrace Bay (Twp)	(Mechanical Plant to Exfiltration Lagoon)

* MOE operated

3.0 FUTURE DIRECTION

The previous section outlined the degree to which wastewater treatment facilities were able to meet/not meet Ontario's effluent requirements. In contrast, this section identifies deficiencies in existing programs/policies and where new or improved requirements are needed for operation of wastewater facilities. The sub-sections that follow discuss the need for enhanced sampling programs and tigher operating controls for monthly assessment purposes and the Province's future direction for control of hazardous contaminants in wastewater effluents.

3.1 MONTHLY COMPLIANCE REVIEW

Effluent compliance for municipal wastewater treatment facilities are for the most part, based on annual average concentrations for conventional parameters (BOD, Suspended Solids and Total Phosphorus). In addition, through Certificates of Approval, site specific parameters and operating requirements have been identified for facilities discharging to limited receivers (all new and expanded facilities now require C of A's prior to construction/operation). Future effluent requirements may well be limited to monthly, weekly or even daily values not to be exceeded.

While the existing Provincial effluent requirement for Total Phosphorus is 1.0 mg/L on an annual average basis, the revised Canada-United States Agreement on Great Lakes Water Quality states that phosphorus values in the effluent of municipal wastewater treatment facilities are "not to exceed 1.0 mg/L (on a monthly average basis)". To this end, phosphorus concentrations for 1985 were evaluated on a monthly basis in order to assess the magnitude of non-compliance under the terms of the Canada-United States Agreement. A total of 250 facilities were assessed; 181 were continuous discharge facilities and 69 were seasonal discharge facilities. These include all facilities requiring phosphorus removal (mechanical plants and lagoons).

Figure I indicates the frequency of monthly exceedences for municipal wastewater treatment facilities discharging to surface waters. Since all facilities did not submit 12 months of data, the exceedences in Figure 1 are expressed as a percent of the number of months of data submitted. It can be seen from Figure I that 116 or 64% of the continuous discharge facilities and 16 or 23% of the seasonal discharge facilities could not meet the revised phosphorus effluent requirements. This represents approximately 53% (132) of the 250 STP's requiring phosphorus removal. On an annual average basis, only 55 facilities failed to meet the phosphorus requirements.

Of the 132 facilities failing the monthly requirement, 62 are major facilities (1.0 mIgd or greater) located within the Great Lake Drainage Basin and relevant to the Canada-United States Agreement.

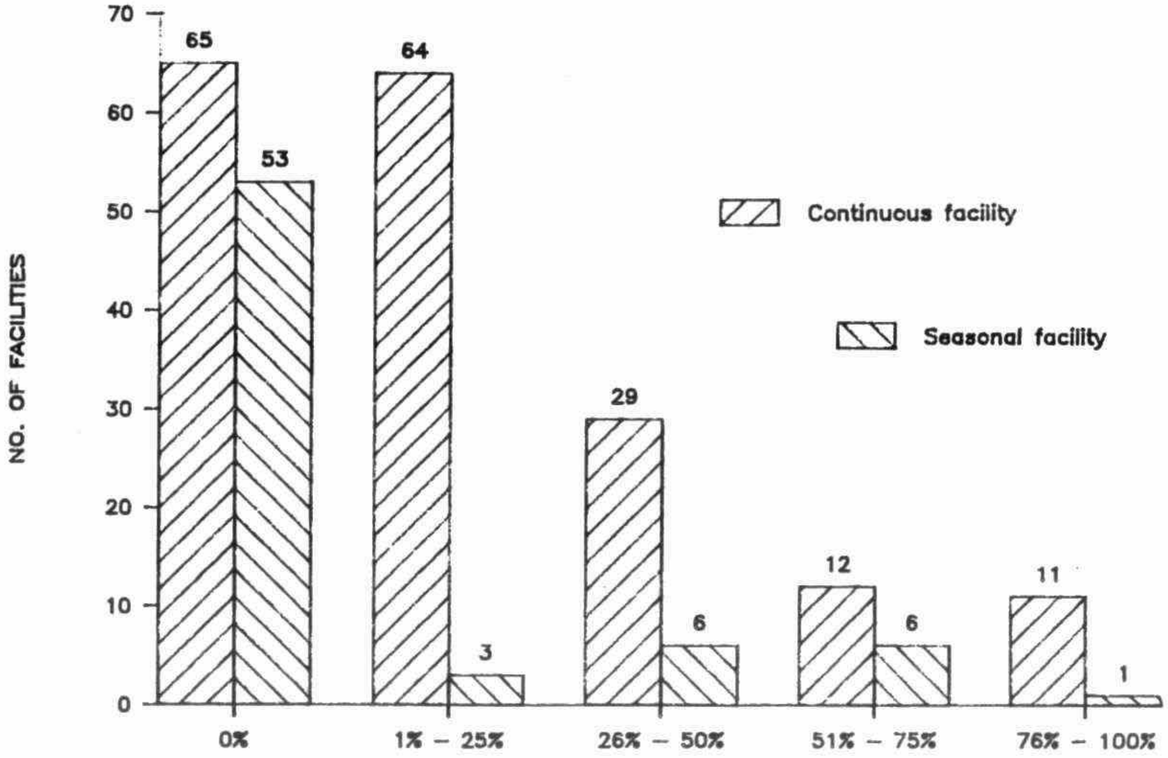
In order to address Ontario's commitments to the revised Canada-U.S. Agreement, the Ministry initiated a research study in late 1985 to develop the most cost-effective strategy of phosphorus management for municipal wastewater treatment facilities. The study will examine various alternatives for controlling phosphorus loads to Lake Ontario and Lake Erie and will include recommendations for optimal operations of 3 selected facilities to meet the monthly phosphorus requirement. The $210K study which is being funded under the Canada-Ontario Agreement is scheduled for completion in 1987. Further studies will be needed at the remaining facilities not yet in compliance.

3.2 HAZARDOUS CONTAMINANTS

The concern about hazardous contaminants over the last few years has steadily increased. Some studies have been carried out to identify the occurrence of priority organic compounds entering and leaving municipal wastewater treatment facilities.

To address this concern, the Province released in June 1986 a White paper entitled "Municipal-Industrial Strategy for Abatement (MISA)." The primary thrust of this program is to reduce the flow of toxic chemicals into the waterways from both municipal and industrial sources. This will be achieved by developing effluent limits based on best available technology (BAT). More stringent requirements may be

FIGURE 1
1985 SUMMARY OF TOTAL PHOSPHORUS DISCHARGE EXCEEDENCES ON A MONTHLY BASIS FOR MUNICIPAL WASTEWATER TREATMENT FACILITIES REQUIRING PHOSPHORUS REMOVAL



$$\frac{(\text{N}^\circ \text{ of Monthly Exceedences})}{(\text{N}^\circ \text{ of Monthly Observations})} \times 100$$

imposed if water quality impacts indicate the need. Municipalities will be clearly informed of the requirements for effluent quality, sampling and analysis, etc. by way of regulations. The MISA program will also be evaluating the need for a stringent sewer-use control program. Economic impacts of proposed alternatives will be assessed and the most effective solution will be selected for implementation.

The municipal phase of the MISA program includes an intensive sampling study whereby 40 municipal wastewater treatment facilities will be sampled (influent, effluent, sludge) and analysed for over 180 parameters. The list of chemical contaminants which include conventionals, metals, dioxins, PCBs, pesticides, polyaromatic hydrocarbons and volatile organics is included in Appendix C. The 40 facilities are located in:

Amherstburg
Brantford*
Burlington
Chatham
Cornwall*
Moore Twp. (Corunna)*
Grimsby
Guelph
Hamilton
Kitchener*
Kingston
Kingston Twp.*
Lindsay
London (2)
Maidstone Twp. (Belle River)*
Mississauga (2)*
Niagara-on-the-Lake
Niagara Falls
Oakville
Ottawa
Paris*
Peterborough
Pickering
Point Edward*
Sarnia
Sault Ste. Marie (2)*
Sudbury
Thunder Bay
Toronto (Metropolitan 4)
Wallaceburg*
Waterloo*
Whitby
Windsor (2)

(* MOE operated)

The 40 plants to be studied include 11 plants currently being investigated by an Ontario-Canada study on the Upper Great Lakes-Connecting Channels. Data from that investigation will be used in the MISA study.

To support the study, municipalities will prepare, with Ministry assistance, a computerized inventory of industries discharging into sewer systems.

The results will be used to establish MISA regulations to control hazardous contaminants discharges from municipal wastewater treatment facilities. Regulations will be developed for effluent monitoring by September 1988 and for effluent discharge limits by December 1989.

In addition, the Ministry is developing a sewer-use control program to be ready by 1989, the year municipalities will be required to comply with BAT limits. To develop the program that best meets Ontario's needs, sewer-use control alternatives and pre-treatment practices in other countries, particularly the United States, but also Japan and European countries, will be reviewed and evaluated.

A study to determine if sewer surcharges are effective in prompting industries to implement waste water pre-treatment and process changes which reduce or eliminate toxic wastes before they go into the sewer systems will also be undertaken.

4.0 MUNICIPAL WATERWATER TREATMENT LISTINGS AND OPERATING DATA

At the end of 1985, there were 403 municipal wastewater treatment facilities in Ontario with a combined total capacity of 5968 x 10^3 m^3/day (thousand cubic metres per day) serving close to 7 million people. Table V summarizes these facilities by treatment type, operating agency and total capacity.

The delivery of programs and services of this Ministry is carried out on a Regional basis. Appendix D lists for each of the 6 Regions, the municipalities and their treatment facilities (alphabetically), the type of treatment and design capacity, the average day flow, and the influent/effluent concentrations/loadings for Biochemical Oxygen Demand (BOD), Suspended Solids (SS) and Total Phosphorus. Also shown is the number of monthly observations provided by each facility and the number of monthly exceedences for the 1985 operating year. The Regional Boundaries and District Offices of the Ministry are shown at the beginning of each section. Also summarized at the end of each section is a listing of treatment facilities in each Regional Municipality as well as a brief description of Area Systems and the municipalities they service.

TABLE V
1985 SUMMARY OF MUNICIPAL WASTEWATER TREATMENT FACILITIES

TREATMENT TYPE	PROVINCIAL SUMMARY <----------- NUMBER -------------->			<---------- ** CAPACITY MIGD ** --------------> (1000M^3)		
	MINISTRY	MUNICIPAL	TOTAL	MINISTRY	MUNICIPAL	TOTAL
COMMUNAL SEPTIC TANK	1	9	10	.060	.785	.845 (3.841)
PRIMARY	9	23	32	32.030	211.021	243.051 (1,104.910)
CONVENTIONAL SECONDARY	31	57	88	211.074	714.350	925.424 (4,206.978)
MODIFIED SECONDARY	1	0	1	2.700	.000	2.700 (12.274)
CONTACT STABILIZATION	7	5	12	5.407	7.560	12.967 (58.948)
EXTENDED AERATION	61	30	91	25.771	20.588	46.359 (210.748)
TRICKLING FILTER	0	3	3	.000	8.100	8.100 (36.823)
HIGH RATE	3	2	5	4.110	17.000	21.110 (95.966)
OXIDATION DITCH	9	2	11	2.430	1.719	4.149 (18.861)
AERATED LAGOON	1	1	2	.247	1.140	1.387 (6.305)
CONVENTIONAL LAGOON CONTINUOUS	7	9	16	2.006	7.033	9.039 (41.091)
CONVENTIONAL LAGOON SEASONAL	78	22	100	17.135	6.782	23.917 (108.727)
CONVENTIONAL LAGOON ANNUAL	8	0	8	.863	.000	.863 (3.923)
LAGOON WITH SPRAY	3	0	3	.334	.000	.334 (1.518)
AERATED CELL PLUS LAGOON	10	6	16	8.898	2.298	11.196 (50.897)
EXFILTRATION LAGOON	3	2	5	.840	.440	1.280 (5.819)
*** TOTALS***	232	171	403	313.905 (1,427.012)	998.816 (4,540.618)	1,312.721 (5,967.630)

** MIGD: MILLIONS OF IMPERIAL GALLONS PER DAY

$1000M^3$:THOUSANDS OF CUBIC METRES

CONVERSION FACTOR

1 MGD = 4.546 $1000M^3$

APPENDIX A

MUNICIPAL WASTEWATER TREATMENT FACILITIES NOT MEETING EFFLUENT REQUIREMENTS IN 1985

APPENDIX A

MUNICIPAL WASTEWATER TREATMENT FACILITIES NOT MEETING EFFLUENT REQUIREMENTS IN 1985

LEGEND

MUNICIPAL CLASSIFICATION

RM	Regional Municipality
C	City
T	Town
V	Village
ST	Separated Town
Twp.	Township
UM	Unorganized Municipality
DAB	Development Area Board

TREATMENT PROCESSES

P	Primary
S	Secondary
CST	Communal Septic Tank
L	Lagoon
Lc	Lagoon (continuous discharge)
Ls	Lagoon (seasonal discharge)
PR	Phosphorus Removal
PRb	Phosphorus Removal (batch treatment)

REMEDIAL PROGRAMS(S)

E	Expansion of Facilities
M	Modifications to Equipment or Collection System
O	Operational Changes

OTHER

*	MOE operated
m	marginal non compliance

APPENDIX A
MUNICIPAL WASTEWATER TREATMENT FACILITIES NOT MEETING EFFLUENT REQUIREMENTS IN 1985

SOUTHWEST REGION

MUNICIPALITY	TREATMENT TYPE	1985 NON-COMPLIANCE PARAMETERS			NON-COMPLIANCE		REMEDIAL PROGRAM(S)	ANTICIPATED COMPLIANCE
		BOD	SS	T. PHOS.	1983	1984		
Alvinston (V)*	S,PR			X(1.11)	•	•	Yes (M,O)	1986
Amherstburg (T)	P,PR	X(21.1) (43%)	X(23.9) (62%)	X(3.24)	•	•	Yes (E)	1987
Aylmer (T)*	Ls,PR			X(1.18)		•	Yes (M,O)	1986
Blandford-Blenheim (Twp.) (Plattsville)*	Ls,PRb		X(30.8)			•	Yes (O)	1986
Blenheim (T)*	Ls,PRb		X(56.1)		•	•	Yes (M,O)	1987
Chatham (C)	S,PR			m(1.01)			Yes (O)	1986
Clinton (T)	S,PR			X(1.21)	•		Yes (O)	1986
Dutton (V)*	Ls,PRb		X(64.1)		•		Yes (E)	1988
East Zorra (Twp.) (Tavistock)*	Ls,PRb	X(29.1)	X(78.3)	X(2.67)	•	•	Yes (E)	1988
Enniskillen (Twp.) (Oil City)*	Ls,PRb		X(27.5)		•		Yes (O)	1986
Exeter (T)*	Ls,PRb		X(92.5)	X(1.57)	•	•	Yes (E,M)	1986
Essex (S.W.)(T)*	Ls,PRb		X(46.8)		•		Yes (O)	1986
Forest (T)*	Ls	X(31.9)	X(107.4)		•	•	Yes (O)	1987
Glencoe (V)*	Ls,PRb		m(26.0)		•	•	Yes (O)	1986
Kingsville (T)	Ls,PRb		X(47.2)		•	•	Yes (E)	1986
Lobo (Twp.) (Kilworth Heights)*	S,PR			m(1.02)	•		Yes (O)	1986
Lucan (V)*	Ls		X(44.3)				Yes (E)	1988
McGillivray (Twp.) (Parkhill)*	Ls,PRb		X(32.7)	X(1.79)		•	Yes (O)	1986

* MOE operated

APPENDIX A
MUNICIPAL WASTEWATER TREATMENT FACILITIES NOT MEETING EFFLUENT REQUIREMENTS IN 1985

SOUTHWEST REGION

MUNICIPALITY	TREATMENT TYPE	1985 NON-COMPLIANCE PARAMETERS			NON-COMPLIANCE		REMEDIAL PROGRAM(S)	ANTICIPATED COMPLIANCE
		BOD	SS	T. PHOS.	1983	1984		
Moore (Twp.) (Courtright)*	S,PR			m(1.05)	•	•	Yes (O)	1986
Moore (Twp). (Brigden)*	Ls,PRb		X(39.1)	m(1.09)			Yes (O)	
Point Edward*	P,PR			X(2.47)	•	•	No	Unknown
Port Stanley (V)*	Ls,PRb		X(61.6)				Yes (O)	1986
Ridgetown (V)*	Ls,PRb		X(83.0)		•	•	Yes (O)	1986
Rodney (V)*	Ls,PRb	X(33.3)	X(337.4)	X(2.67)	•		Yes (E)	1988
Romney (V) (Wheatley)*	S,PR			X(1.31)			Yes (O)	1986
Seaforth (T)*	Ls,PR			X(1.22)	•		Yes (E)	Unknown
Sombra (Twp.) (Port Lambton)*	Ls,PRb		X(101.1)				Yes (O)	1986
Sombra (Twp.) (Port Sombra)*	Ls,PRb		X(252.8)				Yes (O)	1986
Stephen (Twp.) (Grand Bend)*	Ls,PRb		X(100.7)				Yes (O)	1986
Strathroy (T)	Lc,PR			X(1.29)	•	•	Yes (O)	1987
St. Thomas (C)	S,PR			X(1.13)		•	Yes (O)	1986
Thedford (V)*	L		X(87.0)				Yes (O)	1986
Tilbury (T)	Ls,PR			X(1.50)	•	•	No	Unknown
Watford (V)*	Ls,PRb		X(140.1)		•		Yes (O)	1986
West Lorne*	Ls,PRb		X(68.2)		•	•	Yes (O)	1986
Westminster (Twp.) (Southland Park)*	S,PR			X(1.96)	•		Yes (M)	1986

* MOE operated

APPENDIX A
MUNICIPAL WASTEWATER TREATMENT FACILITIES NOT MEETING EFFLUENT REQUIREMENTS IN 1985

SOUTHWEST REGION

MUNICIPALITY	TREATMENT TYPE	1985 NON-COMPLIANCE PARAMETERS			NON-COMPLIANCE		REMEDIAL PROGRAM(S)	ANTICIPATE COMPLIANCE
		BOD	SS	T. PHOS.	1983	1984		
Woodstock (C)	S,PR			m(1.02)			Yes (O)	1986
Zurich (V)*	L		m(40.2)				Yes (O)	1986

* MOE operated

APPENDIX A
MUNICIPAL WASTEWATER TREATMENT FACILITIES NOT MEETING EFFLUENT REQUIREMENTS IN 1985

SOUTHEAST REGION

MUNICIPALITY	TREATMENT TYPE	1985 NON-COMPLIANCE PARAMETERS			NON-COMPLIANCE		REMEDIAL PROGRAM(S)	ANTICIPATED COMPLIANCE
		BOD	SS	T. PHOS.	1983	1984		
Almonte (T)*	Ls,PRb		m(25.5)	X(1.32)	•	•	Yes (O)	1986
Arnprior (T)	P,PR	X(90.7) (42%)	X(37.6) (67%)	X(1.17)		•	Yes (O)	1987
Carleton Place(T)*	S,PR		X(41.0)	X(1.36)	•	•	Yes (M)	Unknown
Chalk River (T)*	S		X(27.7)				Yes (M)	1987
Cobden (V)	S,PR			X(2.03)		m	Yes (O)	1986
Cornwall (C)*	P,PR	X(40.4) (45%)			•	•	Yes (E)	1987
Deloro (V)	CST	X(67.8) (51%)	X(72.8) (42%)				Yes (M)	1987
Ernestown (Twp) (Amherstview)*	Ls		X(51.5)		•	•	Yes (O)	1986
Ernestown (Twp) (Odessa)*	S,PR			m(1.02)			Yes (O)	1986
Gloucester (C) (Green Creek)	P,PR		X(28.8) (61%)	X(2.00)		•	Yes (E,M)	1991
Kemptville (T)	P,PR			X(3.33)	•	•	Yes (E)	1990
Lancaster (V)*	Ls		X(60.9)		•		Yes (O)	1988
Merrickville (V)*	S,PR			X(1.23)			Yes (M)	1986
Morrisburg (V)	P		X(40.3) (31%)				Yes (M,O)	1987
Napanee (T)	S,PR			X(1.41)	•	•	Yes (O)	1988
Osnabruck (Twp) (Ingleside)	P		X(23.7) (45%)				Yes (O)	1987

* MOE operated

APPENDIX A
MUNICIPAL WASTEWATER TREATMENT FACILITIES NOT MEETING EFFLUENT REQUIREMENTS IN 1985

SOUTHEAST REGION

MUNICIPALITY	TREATMENT TYPE	1985 NON-COMPLIANCE PARAMETERS			NON-COMPLIANCE		REMEDIAL PROGRAM(S)	ANTICIPATED COMPLIANCE
		BOD	SS	T. PHOS.	1983	1984		
Petawawa (V)*	P,PR	X(77.8) (42%)	X(58.9) (53%)	X(4.60)	•		Yes (M,O)	1987
Renfrew (T)	P,PR			X(1.26)		m	Yes (O)	1987
Smith's Falls (ST)	P,PR	X(58.6) (42%)	X(50.9) (64%)	X(1.37)	•		Yes (E)	1989
Stirling (V)*	Ls,PRb	m(26.0)	X(26.5)				Yes (O)	1986
Tweed (V)*	Ls,PR			X(1.23)			Yes (O)	1986
Westport (V)*	Ls,PRb		m(26.8)		•	•	Yes (E)	1988
Winchester (V)*	Ls		X(43.1)				Yes (O)	1986

* MOE operated

APPENDIX A
MUNICIPAL WASTEWATER TREATMENT FACILITIES NOT MEETING EFFLUENT REQUIREMENTS IN 1985

NORTHEAST REGION

MUNICIPALITY	TREATMENT TYPE	1985 NON-COMPLIANCE PARAMETERS			NON-COMPLIANCE		REMEDIAL PROGRAM(S)	ANTICIPATED COMPLIANCE
		BOD	SS	T. PHOS.	1983	1984		
Assiginack (Twp) (Manitowaning)*	Ls		m(40.5)			•	No	Unknown
Caldwell (Twp) (Verner)*	Ls,PRb			m(1.08)			Yes (O)	1986
Cochrane (T)	S		X(44.2)		•	•	Yes (O)	1986
Elliot Lake (T) (Esten Lake)	S,PR			X(1.10)		•	Yes (O)	1986
Gore Bay (T)*	Ls		X(44.3)				Yes (O)	Unknown
Haileybury (T)* (Lake Temiskaming Old)	S	X(40.7)	X(66.2)		•	•	Yes (E)	1987
Hearst (T)*	L		X(64.6)				Yes (O)	1987
Kapuskasing (T) (Brunetville)	Lc	m(30.5)	X(75.8		•	•	Yes (O)	1987
Kirkland Lake (T)*	S,PR			m(1.05)		•	Yes (O)	1986
McGarry (Twp) (Virginiatown & Kearns)	CST	X(25.7)	X(28.8)			•	No	Discharge to Mine Tailings Area.
Moosonee (DAB) (North)*	S		X(26.3)			•	Yes (O)	1986
Nickel Centre (T) (Falconbridge)	S	X(27.5)	m(25.9)		•		Yes (O)	1986
North Bay (C)*	S,PR		X(31.4)	X(1.68)	•	•	Yes (E)	1987
Rayside-Balfour(T) (Azilda)	S,PR			X(1.21)		•	Yes (O)	1986

* MOE operated

APPENDIX A
MUNICIPAL WASTEWATER TREATMENT FACILITIES NOT MEETING EFFLUENT REQUIREMENTS IN 1985

NORTHEAST REGION

MUNICIPALITY	TREATMENT TYPE	1985 NON-COMPLIANCE PARAMETERS			NON-COMPLIANCE		REMEDIAL PROGRAM(S)	ANTICIPATED COMPLIANCE
		BOD	SS	T. PHOS.	1983	1984		
Timmins (C) (Bob's Lake)	Lc		X(45.9)				No	Unknown

* MOE operated

APPENDIX B

MUNICIPAL WASTEWATER TREATMENT FACILITIES NOT MEETING EFFLUENT REQUIREMENTS FOR PHOSPHORUS REMOVAL ON A MONTHLY BASIS

APPENDIX B

MUNICIPAL WASTEWATER TREATMENT FACILITIES NOT MEETING EFFLUENT REQUIREMENTS ON A MONTHLY BASIS IN 1985

CONTINUOUS DISCHARGE FACILITIES
NON COMPLIANCE REPORT

SOUTHWEST

MUNICIPALITY NAME	FACILITY NAME	TP	
		OBSERVATIONS	EXCEEDENCES
ALVINSTON	ALVINSTON WPCP	8	5
AMHERSTBURG	AMHERSTBURG WPCP	12	10
CHATHAM	CHATHAM WPCP	12	5
CHESLEY	CHESLEY	11	4
CLINTON	CLINTON WPCP	12	9
COBDEN	COBDEN WPCP	8	7
EAST WILLIAMS	AILSA CRAIG WPCP	12	3
GODERICH	GODERICH WPCP	12	3
HANOVER	HANOVER WPCP	12	3
INGERSOLL	INGERSOLL NEW WPCP	12	3
LEAMINGTON	LEAMINGTON WPCP	12	4
LISTOWEL	LISTOWEL LAGOON	5	1
LOBO	KILWORTH HEIGHTS WPC	12	7
LONDON	GREENWAY WPCP	12	2
LONDON	POTTERSBURG WPCP	12	1
LONDON	VAUXHALL WPCP	12	1
MOORE	CORUNNA P.V. WPCP	12	5
MOORE	COURTRIGHT WPCP	12	5
OWEN SOUND	OWEN SOUND WPCP	12	3
PLYMPTON	WYOMING WPCP	12	4
POINT EDWARD	POINT EDWARD WPCP	12	11
PORT BURWELL	PORT BURWELL WPCP	4	3
ROMNEY	WHEATLEY WPCP	12	6
SARNIA	SARNIA WPCP	12	1
ST. THOMAS	ST. THOMAS WPCP	12	5
STRATHROY	STRATHROY LAGOON	12	8
TUCKERSMITH	VAN ASTRA WPCP	9	1
WALKERTON	WALKERTON WPCP	12	2
WALLACEBURG	WALLACEBURG WPCP	9	1
WESTMINSTER	SOUTHLAND PARK WPCP	11	10
WINDSOR	WESTERLY WPCP	12	2
WINDSOR	LITTLE RIVER WPCP	12	3
WOODSTOCK	WOODSTOCK WPCP	11	5

SEASONAL DISCHARGE FACILITIES
NON COMPLIANCE REPORT

MUNICIPALITY NAME	FACILITY NAME	TP	
		OBSERVATIONS	EXCEEDENCES
AYLMER	AYLMER	3	2
EAST ZORRA	TAVISTOCK	4	3
EXETER	EXETER	3	2
HARROW	HARROW	3	1
McGILLIVRAY	PARKHILL	2	2
PORT STANLEY	PORT STANLEY LAGOON	4	1
RODNEY	RODNEY	3	2
SEAFORTH	SEAFORTH LAGOON	4	2
TILBURY	TILBURY LAGOON	2	1

APPENDIX B

MUNICIPAL WASTEWATER TREATMENT FACILITIES NOT MEETING EFFLUENT REQUIREMENTS ON A MONTHLY BASIS IN 1985

CONTINUOUS DISCHARGE FACILITIES
NON COMPLIANCE REPORT

	MUNICIPALITY NAME	FACILITY NAME	TP	
			OBSERVATIONS	EXCEEDENCES
WEST-CENTRAL				
	BRANTFORD	BRANTFORD WPCP	12	1
	CAMBRIDGE	PRESTON WPCP	12	2
	DUNDAS	DUNDAS KING ST. WPCP	12	3
	FORT ERIE	CRYSTAL BEACH WPCP	12	6
	FORT ERIE	ANGER AVE. WPCP	12	2
	GUELPH	GUELPH WPCP	12	2
	HALDIMAND	HAGERSVILLE WPCP	12	1
	HALDIMAND	CALEDONIA WPCP	11	3
	HALDIMAND	CAYUGA WPCP	10	1
	MOUNT FOREST	MOUNT FOREST WPCP	5	1
	NANTICOKE	PORT DOVER WPCP	12	1
	PARIS	PARIS WPCP	12	1
	PORT COLBORNE	SEAWAY WPCP	12	6
	ST. CATHARINES	PORT WELLER WPCP	12	2
	WATERLOO	WATERLOO WPCP	12	1
	WELLAND	WELLAND WPCP	12	2
	WELLESLEY	WELLESLEY WPCP	12	3
	WILMOT	BADEN WPCP	12	4
	WOOLWICH	ELMIRA WPCP	12	11
	WOOLWICH	ST. JACOBS PV WPCP	12	2

APPENDIX B

MUNICIPAL WASTEWATER TREATMENT FACILITIES NOT MEETING EFFLUENT REQUIREMENTS ON A MONTHLY BASIS IN 1985

CONTINUOUS DISCHARGE FACILITIES
NON COMPLIANCE REPORT

CENTRAL

MUNICIPALITY NAME	FACILITY NAME	TP	
		OBSERVATIONS	EXCEEDENCES
BOBCAYGEON	BOBCAYGEON WPCP	12	2
BRACEBRIDGE	BRACEBRIDGE WPCP	8	1
BRIGHTON	BRIGHTON LAGOON	12	3
BURLINGTON	SKYWAY WPCP	12	1
CALEDON	BOLTON WPCP	10	1
CAMPBELLFORD	CAMPBELLFORD WPCP	11	3
COBOURG	COBOURG WPCP 2	12	9
COBOURG	COBOURG WPCP 1	10	3
COLLINGWOOD	COLLINGWOOD WPCP	12	10
DYSART-ET-AL	HALIBURTON	11	3
ESSA	ANGUS WPCP	12	6
FENELON FALLS	FENELON FALLS WPCP	10	2
GEORGINA	KESWICK WPCP	2	1
HALTON HILLS	ACTON WPCP+ LAGOON	12	1
HASTINGS	HASTINGS WPCP	12	1
HUNTSVILLE	HUNTSVILLE WPCP	8	3
LINDSAY	LINDSAY	12	1
METRO TORONTO	HUMBER WPCP	12	6
METRO TORONTO	MAIN WPCP(TORONTO)	12	7
METRO TORONTO	NORTH TORONTO WPCP	12	2
MISSISSAUGA	CLARKSON WPCP S.P.	12	2
MISSISSAUGA	LAKEVIEW WPCP S.P.	12	1
NEWCASTLE	PORT DARLINGTON WPCP	12	3
NORWOOD	NORWOOD WPCP	10	1
OAKVILLE	SOUTH EAST WPCP	12	2
OAKVILLE	SOUTH WEST WPCP	11	3
ORILLIA	ORILLIA WPCP	12	3
PETERBOROUGH	PETERBOROUGH WPCP	11	3
PICKERING	DUFFIN CREEK WPCP	12	5
PORT McNICOLL	PORT McNICOLL WPCP	12	1
WHITBY	PRINGLE CREEK WPCP 1	12	2
WHITBY	PRINGLE CREEK WPCP 2	12	5

SEASONAL DISCHARGE FACILITIES
NON COMPLIANCE REPORT

MUNICIPALITY NAME	FACILITY NAME	TP	
		OBSERVATIONS	EXCEEDENCES
BROCK	BEAVERTON RIVER 2	2	1
LAKEFIELD	LAKEFIELD LAGOON	10	1
STAYNER	STAYNER LAGOON	4	1

APPENDIX B

MUNICIPAL WASTEWATER TREATMENT FACILITIES NOT MEETING EFFLUENT REQUIREMENTS ON A MONTHLY BASIS IN 1985

CONTINUOUS DISCHARGE FACILITIES
NON COMPLIANCE REPORT

	MUNICIPALITY NAME	FACILITY NAME	TP	
			OBSERVATIONS	EXCEEDENCES
SOUTHEAST				
	ALEXANDRIA	ALEXANDRIA LAGOON	12	2
	ARNPRIOR	ARNPRIOR WPCP	9	6
	BROCKVILLE	BROCKVILLE WPCP	12	3
	CORNWALL	CORNWALL WPCP	12	6
	DESERONTO	DESERONTO WPCP	12	1
	ERNESTOWN	ODESSA WPCP	11	6
	FRANKFORD	FRANKFORD WPCP	12	1
	GLOUCESTER	GREEN CREEK WPCP	12	1
	HAGARTY & RICHARDS	KILLALOE STN.WPCP	12	2
	HAWKESBURY	HAWKESBURY WPCP	12	3
	IROQUOIS	IROQUOIS WPCP	1	1
	KEMPTVILLE	KEMPTVILLE WPCP	11	10
	KINGSTON TWP	KINGSTON TWP WPCP	12	2
	MERRICKVILLE	MERRICKVILLE WPCP	12	3
	NAPANEE	NAPANEE WPCP	12	9
	PERTH	PERTH LAGOON	11	1
	PETAWAWA	PETAWAWA WPCP	12	12
	PICTON	PICTON WPCP	11	1
	RENFREW	RENFREW WPCP	10	4
	SIDNEY	BATAWA WPCP	12	1
	SMITHS FALLS	SMITHS FALLS WPCP	7	4
	WELLINGTON	WELLINGTON WPCP	12	1

SEASONAL DISCHARGE FACILITIES
NON COMPLIANCE REPORT

MUNICIPALITY NAME	FACILITY NAME	TP	
		OBSERVATIONS	EXCEEDENCES
ALMONTE	ALMONTE LAGOON	4	3
TWEED	TWEED	3	2

APPENDIX B

MUNICIPAL WASTEWATER TREATMENT FACILITIES NOT MEETING EFFLUENT REQUIREMENTS ON A MONTHLY BASIS IN 1985

CONTINUOUS DISCHARGE FACILITIES
NON COMPLIANCE REPORT

	MUNICIPALITY NAME	FACILITY NAME	TP	
			OBSERVATIONS	EXCEEDENCES
NORTHEAST				
	ELLIOT LAKE	ESTEN LAKE WPCP	12	7
	HAILEYBURY NEW	LAKE TEMISKAMING WPC	2	2
	KIRKLAND LAKE	KIRKLAND LAKE WPCP	12	6
	NORTH BAY	NORTH BAY WPCP	12	12
	RAYSIDE-BALFOUR	AZILDA WPCP	12	4
	RAYSIDE-BALFOUR	CHELMSFORD WPCP	12	3

SEASONAL DISCHARGE FACILITIES
NON COMPLIANCE REPORT

MUNICIPALITY NAME	FACILITY NAME	TP	
		OBSERVATIONS	EXCEEDENCES
CALDWELL	VERNER LAGOON	6	3

APPENDIX B

MUNICIPAL WASTEWATER TREATMENT FACILITIES NOT MEETING EFFLUENT REQUIREMENTS ON A MONTHLY BASIS IN 1985

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                    CONTINUOUS DISCHARGE FACILITIES
                        NON COMPLIANCE REPORT

            MUNICIPALITY        FACILITY NAME                 TP
            NAME                                    OBSERVATIONS   EXCEEDENCES


NORTHWEST

            ATIKOKAN            ATIKOKAN WPCP                 12             2
            IGNACE              IGNACE WPCP                   12             1
            THUNDER BAY         THUNDER BAY WPCP              12             4
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APPENDIX C

MISA

40 PLANT SURVEY

PRIORITY POLLUTANT ANALYSIS LIST

APPENDIX C
MISA 40 PLANT SURVEY
PRIORITY POLLUTANT ANALYSIS LIST

Extractables
Base/Neutral and Acidic

Acenaphthene
Acenaphthalene
Anthracene
Benzo(a)anthracene
Benzo(a)pyrene
Benzo(b)fluoranthene
Benzo(ghi)perylene
Benzo(k)fluoranthene
Benzyl butyl phthalate
Bis(2-chloroethyl) ether
Bis(2-chloroethoxy) methane
Bis(2-chloroisopropyl) ether
Bis(2-ethylhexyl) phthalate
4-Bromophenyl phenyl ether
4-Chloro-3-methylphenol
    (4-chloro-m-cresol)
2-Chloroethylvinyl ether
2-Chloronaphthalene
2-Chlorophenol
4-Chlorophenylphenyl ether
Chrysene
Dibenzo(a,h) anthracene
2,4-Dichlorophenol
Diethyl phthalate
2,4-Dimethylphenol
Dimethyl phthalate
Di-n-butyl phthalate
Di-n-octyl phthalate
2,4-Dinitrophenol
2,4-Dinitrotoluene
2,6-Dinitrotoluene
Fluoranthene
Fluorene
Ideno(1,2,3-cd) pyrene
2-Methyl-4,6-dinitrophenol
Naphthalene
Nitrobenzene
2-Nitrophenol
4-Nitrophenol
N-Nitrosodimethylamine
N-Nitrosodi-n-propylamine
N-Nitrosodiphenylamine
Pentachlorophenol
Phenanthrene
Phenol
Pyrene
2,4,6-Trichlorophenol
Biphenyl
Diethyl hexyl phthalate
Diphenyl ether
2-Hydroxy-toluene (o-Cresol)
3-Hydroxy-toluene (m-Cresol)
4-Hydroxy-toluene (p-Cresol)
alpha-naphthylamine
beta-Naphthylamine
Tri(2-tolyl) ester, phosphoric acid
    (tri-o-cresyl phosphate)
2,4,5-Trichlorophenol (2,4,5-TCP)

APPENDIX C

MISA 40 PLANT SURVEY

PRIORITY POLLUTANT ANALYSIS LIST

Conventional Parameters

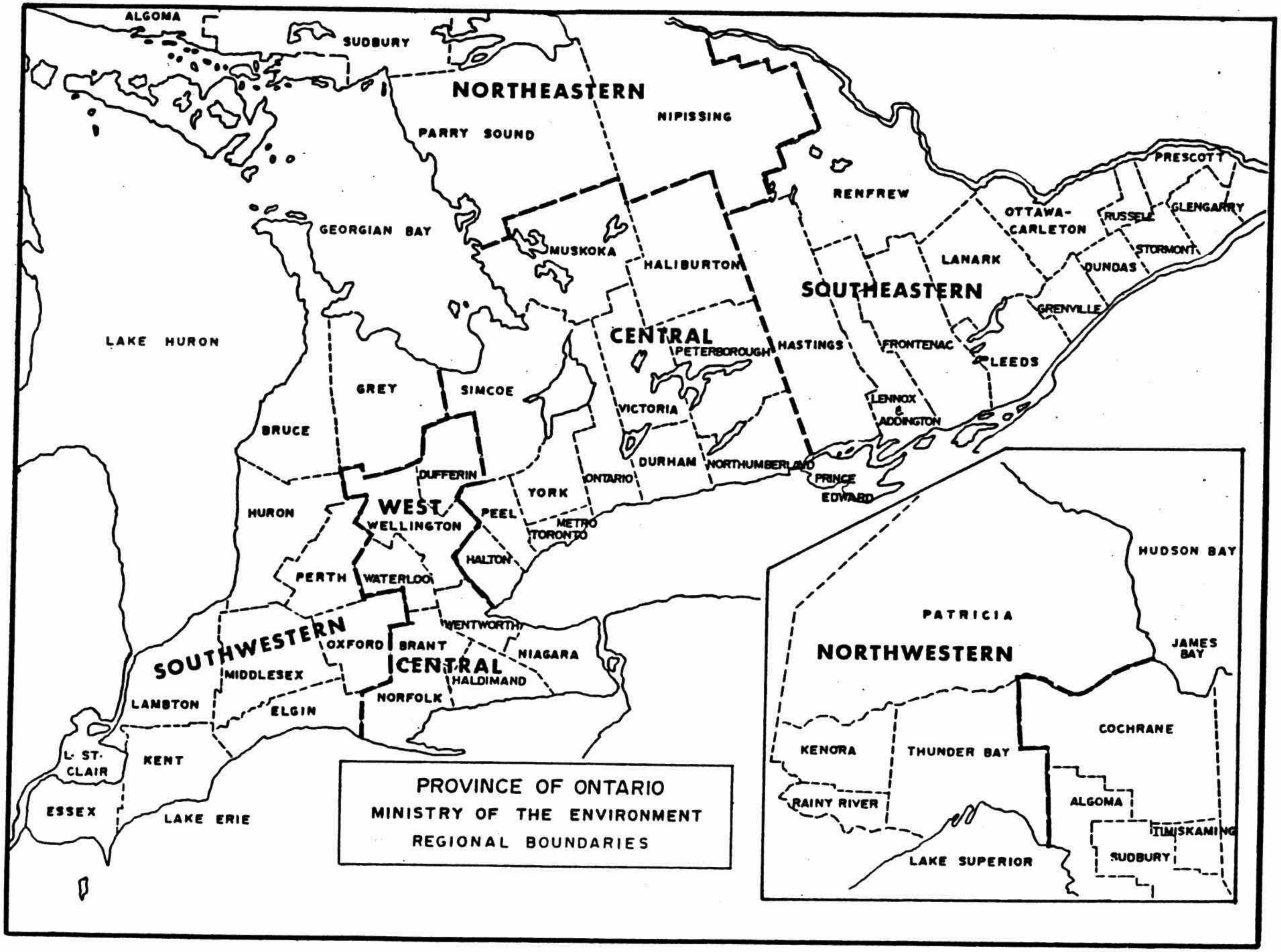
BOD
COD
Total Suspended Solids
Volatile Suspended Solids
Total Phosphorus
Total Nitrogen
Ammonia
Nitrate
Nitrite
Total Phenol (by 4AAP)
pH
Turbidity
Dissolved Organic Carbon
Dissolved Inorganic Carbon
Cyanide

Heavy Metals

Aluminum
Antimony
Beryllium
Cadmium
Chromium
Cobalt
Copper
Iron
Lead
Magnesium
Mercury
Molydemum
Nickel
Selinium
Silver
Tin
Thallium
Zinc

APPENDIX D

MUNICIPAL WASTEWATER TREATMENT FACILITIES LISTINGS AND OPERATING DATA

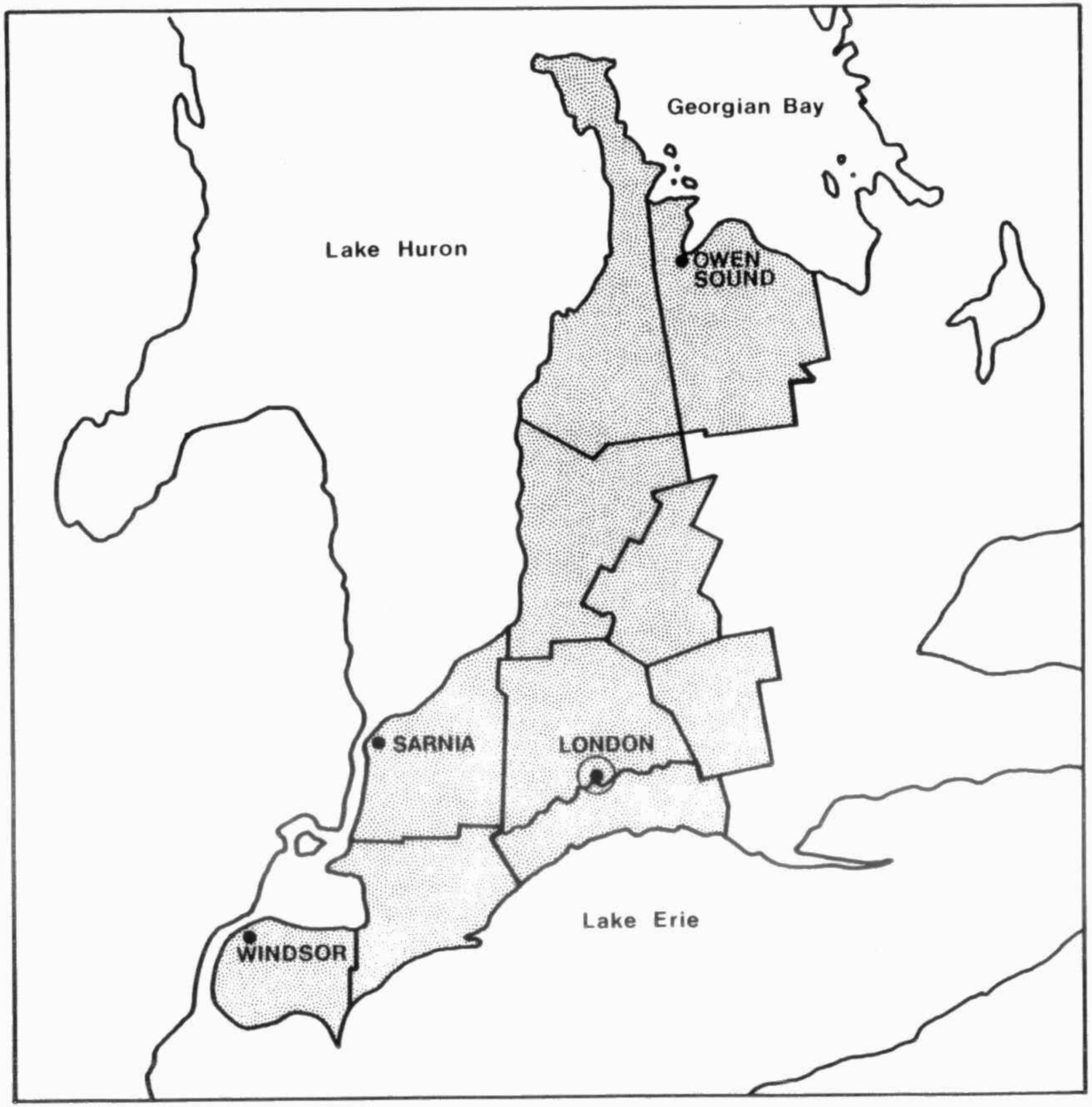


PROVINCE OF ONTARIO
MINISTRY OF THE ENVIRONMENT
REGIONAL BOUNDARIES

Southwestern Region

①

Ministry
of the
Environment
Ontario



Southwestern Region ①

REGIONAL OFFICE

London
985 Adelaide St. S.
N6E 1V3
519 661-2200

DISTRICT OFFICES

London South
985 Adelaide St. S.
N6E 1V3
519 661-2200

London North
985 Adelaide St. S.
N6E 1V3
519 661-2200

Owen Sound
1180 20th St. E.
N4K 6H6
519 371-2901

Sarnia
265 N. Front St.
N7T 7X1
519 336-4030

Windsor
250 Windsor Ave.
N9A 6V9
519 254-5129

SUB-OFFICE

Chatham
c/o Ministry of
Agriculture & Food
435 Grand Ave. W.
N7M 5L1
519 354-2150

Clinton
c/o Ministry of
Agriculture & Food
P.O. Box 688
N0M 1L0
519 482-3428

SOUTHWESTERN REGION SUMMARY

TREATMENT TYPE	NUMBER			** CAPACITY MIGD ** (1000M^3)		
	MINISTRY	MUNICIPAL	TOTAL	MINISTRY	MUNICIPAL	TOTAL
PRIMARY	2	3	5	5.970	51.500	57.470 (261.259)
CONVENTIONAL ACTIVATED SLUDGE	8	12	20	13.059	79.960	93.019 (422.864)
CONTACT STABILIZATION	0	1	1	.000	.400	.400 (1.818)
EXTENDED AERATION	18	1	19	7.152	4.200	11.352 (51.606)
HIGH RATE	1	0	1	.860	.000	.860 (3.910)
OXIDATION DITCH	2	1	3	.825	1.420	2.245 (10.206)
AERATED LAGOON	1	1	2	.247	1.140	1.387 (6.305)
CONVENTIONAL LAGOON ANNUAL	5	0	5	.479	.000	.479 (2.178)
CONVENTIONAL LAGOON CONTINUOUS	3	0	3	1.115	.000	1.115 (5.069)
CONVENTIONAL LAGOON SEASONAL	35	3	38	9.698	1.172	10.870 (49.415)
LAGOON AND SPRAY	1	0	1	.125	.000	.125 (.568)
AERATED CELL PLUS LAGOON	4	1	5	2.893	.037	2.930 (13.320)
**** TOTALS ****	80	23	103	42.423 (192.855)	139.829 (635.663)	182.252 (828.518)

** MIGD: MILLIONS OF IMPERIAL GALLONS PER DAY | CONVERSION FACTOR

1000M^3 :THOUSANDS OF CUBIC METRES | 1 MIGD = 4.546 1000M^3

SOUTHWESTERN - REGION

1985 DATA - MUNICIPAL WASTEWATER TREATMENT FACILITIES

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************************************************************ I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                      *                                 *                                 *                    *
*  MUNICIPALITY   / WORKSNUMBER   POP.    AVG DAY FLOW *          ANNUAL  AVERAGE        *          ANNUAL  AVERAGE        * MONTHS             *
*  EXISTING CAPACITY              SERVED     (MIGD)    *                                 *                                 *   OF    * MONTHS *
*  AND TREATMENT                           1000 CUBIC  *          CONC.     LOADING      *          CONC.     LOADING      *EFFLUENT*EXCEEDED*
*                                           METRES     *          (MG/L)    KG/DAY       *          (MG/L)    KG/DAY       *  DATA  *        *
*****************************************************************************************************************************************
    ALVINSTON              *MIN*
                   110002069
    VILLAGE                         629                * B O D:   95.00       14.06  * B O D:   3.30       0.49 *   8
ALVINSTON WPCP                                         *                             *                          *
      CAPACITY (MIGD):   (   .132)        (     .033 ) *  S S :  118.00       17.46  *  S S :   4.00       0.59 *   8
      1000 CUBIC METRES:     .600                .148  *                             *                          *
EXTENDED AERATION                                      * T.PHOS:    5.60        0.83  * T.PHOS:  1.11       0.16 *   8        5
PHOSPHORUS REMOVAL-CONTINUOUS                          *                             *
                                                       *
                                                       *              WATERCOURSE: SYDENHAM   RIVER
                                                       *
                                                       *         REMEDIAL MEASURE: PROCESS/EQUIPMENT IMPROVEMENTS


    AMHERSTBURG
                   120001087
    TOWN                           8500                * B O D:   69.00      615.89  * B O D:  25.10     224.04 *  11        7
AMHERSTBURG WPCP                                       *                             *                          *
      CAPACITY (MIGD):   (  1.000)        (    1.964 ) *  S S :  136.00    1,213.94  *  S S :  23.90     213.33 *  10        5
      1000 CUBIC METRES:    4.546               8.926  *                             *                          *
PRIMARY                                                * T.PHOS:    5.20       46.42  * T.PHOS:  3.24      28.92 *  12       10
PHOSPHORUS REMOVAL-CONTINUOUS                          *                             *
                                                       *
                                                       *              WATERCOURSE: DETROIT RIVER
                                                       *
                                                       *         REMEDIAL MEASURE: EXPANSION/UPGRADING


    ANDERDON (EDGEWATER)      *MIN*
                   110002407
    TOWNSHIP                        761                * B O D:   71.00       34.86  * B O D:   3.30       1.62 *   4
EDGEWATER BEACH LAGOON                                 *                             *                          *
      CAPACITY (MIGD):   (   .355)        (     .108 ) *  S S :   46.00       22.59  *  S S :   5.20       2.55 *   4
      1000 CUBIC METRES:    1.614                .491  *                             *                          *
CONVENTIONAL LAGOON SEASONAL                           * T.PHOS:    5.30        2.60  * T.PHOS:  0.47       0.23 *   4
PHOSPHORUS REMOVAL - BATCH                             *                             *
                                                       *
                                                       *              WATERCOURSE: DETROIT  RIVER
                                                       *
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SOUTHWESTERN - REGION

1985 DATA - MUNICIPAL WASTEWATER TREATMENT FACILITIES

```
*************************************************************** I N F L U E N T ************* E F F L U E N T ****** COMPLIANCE ***
*                                                     *                             *                          *                 *
*  MUNICIPALITY   / WORKSNUMBER   POP.   AVG DAY FLOW *          ANNUAL AVERAGE     *          ANNUAL AVERAGE  * MONTHS          *
*  EXISTING CAPACITY              SERVED    (MIGD)    *                             *                          *   OF   * MONTHS *
*  AND TREATMENT                          1000 CUBIC  *          CONC.    LOADING   *          CONC.   LOADING *EFFLUENT*EXCEEDED*
*                                         METRES      *         (MG/L)    KG/DAY    *         (MG/L)   KG/DAY  *  DATA  *        *
***********************************************************************************************************************************


    ANDERDON (MCGREGOR)        *MIN*
                       110002096
    TOWNSHIP                        1100              * B O D:  121.00       54.57  *  B O D:  11.10      5.01 *    2
MCGREGOR LAGOON                                       *                             *                          *
      CAPACITY (MIGD):   (   .125)        (    .099 ) *  S S :  149.00       67.20  *   S S :  22.80     10.28 *    2
      1000 CUBIC METRES:     .568              .451   *                             *                          *
LAGOON AND SPRAY                                      * T.PHOS:    7.80        3.52  * T.PHOS:    0.75      0.34 *    2
SEASONAL DISCHARGE                                    *                             *
PHOSPHORUS REMOVAL - BATCH                            *
                                                      *                  WATERCOURSE: KING'S CREEK
                                                      *



    ARRAN (TARA)               *MIN*
                       110003237
    TOWNSHIP                         590              * B O D:  132.00       26.00  *  B O D:   9.20      1.81 *    3
TARA LAGOON                                           *                             *                          *
      CAPACITY (MIGD):   (   .143)        (    .043 ) *  S S :  145.00       28.57  *   S S :  15.00      2.96 *    3
      1000 CUBIC METRES:     .650              .197   *                             *                          *
CONVENTIONAL LAGOON SEASONAL                          * T.PHOS:    7.60        1.50  * T.PHOS:    0.53      0.10 *    3
PHOSPHORUS REMOVAL-CONTINUOUS                         *                             *
                                                      *
                                                      *                  WATERCOURSE: SAUBLE  RIVER
                                                      *



    AYLMER                     *MIN*
                       110000891
    TOWN                            5127              * B O D:  135.00      597.11  *  B O D:   9.60     42.46 *    3
AYLMER  LAGOON                                        *                             *                          *
      CAPACITY (MIGD):   (  1.150)        (    .973 ) *  S S :  119.00      526.34  *   S S :  33.10    146.40 *    3        1
      1000 CUBIC METRES:    5.228             4.423   *                             *                          *
CONVENTIONAL LAGOON SEASONAL                          * T.PHOS:    5.70       25.21  * T.PHOS:    1.18      5.22 *    3        2
PHOSPHORUS REMOVAL-CONTINUOUS                         *                             *
                                                      *
                                                      *                  WATERCOURSE: CATFISH CREEK
                                                      *
                                                      *             REMEDIAL MEASURE: PROCESS/EQUIPMENT IMPROVEMENTS
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                                        SOUTHWESTERN  -  REGION

                             1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

**************************************************************** I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                     *                              *                           *                 *
*  MUNICIPALITY  / WORKSNUMBER    POP.   AVG DAY FLOW *           ANNUAL AVERAGE     *          ANNUAL AVERAGE   * MONTHS          *
*  EXISTING CAPACITY              SERVED    (MIGD)    *                              *                           *   OF   * MONTHS *
*  AND TREATMENT                          1000 CUBIC  *           CONC.    LOADING   *          CONC.    LOADING *EFFLUENT*EXCEEDED*
*                                         METRES      *          (MG/L)    KG/DAY    *          (MG/L)   KG/DAY  * DATA   *        *
************************************************************************************************************************************


    BELMONT                    *MIN*
                       110002032
    VILLAGE                          906              * B O D:     95.00      32.11  * B O D:   11.00       3.72 *    2
BELMONT  LAGOON                                       *                              *                           *
      CAPACITY (MIGD):   (   .124)        (    .074 ) *  S S :    107.00      36.17  *  S S :   35.60      12.03 *    2
      1000 CUBIC METRES:     .564              .338   *                              *                           *
CONVENTIONAL LAGOON SEASONAL                          * T.PHOS:     5.80       1.96  * T.PHOS:   0.72       0.24 *    2
PHOSPHORUS REMOVAL-CONTINUOUS                         *                              *
                                                      *
                                                      *                   WATERCOURSE: KETTLE CREEK
                                                      *



    BLANDFORD-BLENHEIM(PLAT)   *MIN*
                       110003022
    TOWNSHIP                         528              * B O D:    169.00      57.46  * B O D:   11.00       3.74 *    3
PLATTSVILLE LAGOON                                    *                              *                           *
      CAPACITY (MIGD):   (   .131)        (    .075 ) *  S S :    173.00      58.82  *  S S :   30.80      10.47 *    3        2
      1000 CUBIC METRES:     .596              .340   *                              *                           *
AERATED CELL PLUS LAGOON                              * T.PHOS:     4.30       1.46  * T.PHOS:   0.51       0.17 *    3
SEASONAL DISCHARGE                                    *                              *
PHOSPHORUS REMOVAL - BATCH                            *
                                                      *                   WATERCOURSE: NITH  RIVER
                                                      *


    BLENHEIM                   *MIN*
                       120001666
    TOWN                            4000              * B O D:    205.00     319.80  * B O D:    9.70      15.13 *    2
BLENHEIM LAGOON                                       *                              *                           *
      CAPACITY (MIGD):   (   .429)        (    .343 ) *  S S :    188.00     293.28  *  S S :   56.10      87.52 *    2        2
      1000 CUBIC METRES:    1.950             1.560   *                              *                           *
CONVENTIONAL LAGOON SEASONAL                          * T.PHOS:     7.30      11.39  * T.PHOS:   0.56       0.87 *    2
PHOSPHORUS REMOVAL - BATCH                            *                              *
                                                      *
                                                      *                   WATERCOURSE: CAMERON DR - MCGREGOR CK
                                                      *
                                                      *              REMEDIAL MEASURE: EXPANSION/UPGRADING
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                                           SOUTHWESTERN  -  REGION

                                1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

****************************************************************** I N F L U E N T ************* E F F L U E N T ****** COMPLIANCE ***
*                                                     *                              *                            *                 *
*  MUNICIPALITY   / WORKSNUMBER  POP.   AVG DAY FLOW *         ANNUAL AVERAGE       *         ANNUAL AVERAGE     * MONTHS          *
*  EXISTING CAPACITY             SERVED    (MIGD)     *                              *                            *   OF   * MONTHS *
*  AND TREATMENT                         1000 CUBIC   *         CONC.    LOADING     *         CONC.    LOADING   *EFFLUENT*EXCEEDED*
*                                          METRES     *         (MG/L)   KG/DAY      *         (MG/L)   KG/DAY    *  DATA  *        *
*************************************************************************************************************************************


   BLYTH                **   *MIN*
                     110002247
   VILLAGE                          890               *  B O D:  168.00        54.26  *  B O D:   4.50        1.45 *   12
BLYTH WPCP                                            *                               *                            *
     CAPACITY (MIGD):   (   .161)        (     .071 ) *   S S :  236.00        76.23  *   S S :   2.80        0.90 *   12
     1000 CUBIC METRES:     .732               .323   *                               *                            *
EXTENDED AERATION                                     * T.PHOS:    8.60         2.78  * T.PHOS:   0.30        0.10 *   12
PHOSPHORUS REMOVAL-CONTINUOUS                         *                               *
EFFLUENT POLISHING                                    *
                                                      *                  WATERCOURSE: BLYTH   CREEK
                                                      *


   BRUSSELS             **   *MIN*
                     110002354
   VILLAGE                          970               *  B O D:  129.00        56.50  *  B O D:   3.30        1.45 *   12
BRUSSELS WPCP                                         *                               *                            *
     CAPACITY (MIGD):   (   .194)        (     .096 ) *   S S :  168.00        73.58  *   S S :   3.70        1.62 *   12
     1000 CUBIC METRES:     .882               .438   *                               *                            *
EXTENDED AERATION                                     * T.PHOS:    8.60         3.77  * T.PHOS:   0.30        0.13 *  ,12
PHOSPHORUS REMOVAL-CONTINUOUS                         *                               *
EFFLUENT POLISHING                                    *
                                                      *                  WATERCOURSE: MAITLAND  RIVER
                                                      *


   CHATHAM              **
                     110000098
   CITY                           41000               *  B O D:  210.00     6,264.93  *  B O D:   8.20      244.63 *   12
CHATHAM WPCP                                          *                               *                            *
     CAPACITY (MIGD):   (  7.900)        (    6.563 ) *   S S :  243.00     7,249.42  *   S S :  17.50      522.08 *   12        3
     1000 CUBIC METRES:   35.913             29.833   *                               *                            *
CONVENTIONAL ACTIVATED SLUDGE                         * T.PHOS:   18.20       542.96  * T.PHOS:   1.01       30.13 *   12        5
PHOSPHORUS REMOVAL-CONTINUOUS                         *                               *
EFFLUENT POLISHING                                    *
                                                      *                  WATERCOURSE: THAMES RIVER
                                                      *
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SOUTHWESTERN - REGION

1985 DATA - MUNICIPAL WASTEWATER TREATMENT FACILITIES

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**************************************************************** I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                     *                              *                           *                 *
*  MUNICIPALITY   / WORKSNUMBER   POP.   AVG DAY FLOW *           ANNUAL AVERAGE     *          ANNUAL AVERAGE   * MONTHS          *
*  EXISTING CAPACITY              SERVED    (MIGD)    *                              *                           *   OF   * MONTHS *
*  AND TREATMENT                          1000 CUBIC  *           CONC.    LOADING   *          CONC.    LOADING *EFFLUENT*EXCEEDED*
*                                         METRES      *          (MG/L)    KG/DAY    *          (MG/L)   KG/DAY  *  DATA  *        *
************************************************************************************************************************************


    CHESLEY                    *MIN*
                       110000105
    TOWN                            1876              * B O D:    44.00       77.97  * B O D:   7.50      13.29 *   10
CHESLEY LAGOON (JAN-APR D.C.2307 M3)                  *                              *                           *
      CAPACITY (MIGD):  (   .321)         (    .390 ) *  S S :    56.00       99.23  *  S S :  18.10      32.07 *   11        2
      1000 CUBIC METRES:    1.459               1.772 *                              *                           *
CONVENTIONAL LAGOON CONTINUOUS                        * T.PHOS:    2.60        4.61  * T.PHOS:  0.94       1.67 *   11        4
PHOSPHORUS REMOVAL-CONTINUOUS                         *                              *
                                                      *
                                                      *                   WATERCOURSE: NORTH SAUGEEN RIVER
                                                      *



    CLINTON               **
                       120000925
    TOWN                            3000              * B O D:    72.00      153.72  * B O D:   6.30      13.45 *   12        1
CLINTON WPCP                                          *                              *                           *
      CAPACITY (MIGD):  (   .400)         (    .470 ) *  S S :    88.00      187.88  *  S S :   7.80      16.65 *   12        1
      1000 CUBIC METRES:    1.818               2.135 *                              *                           *
CONTACT STABILIZATION                                 * T.PHOS:    3.70        7.90  * T.PHOS:  1.21       2.58 *   12        9
PHOSPHORUS REMOVAL-CONTINUOUS                         *                              *
EFFLUENT FILTRATION                                   *
                                                      *                   WATERCOURSE: BAYFIELD RIVER
                                                      *
                                                      *              REMEDIAL MEASURE: EXPANSION/UPGRADING


    DOVER (MITCHELL'S BAY)     *MIN*                  *                                       NO 1985 DISCHARGE
                       110002087
    TOWNSHIP                         350              * B O D:    75.00       15.15  * B O D:   0.00       0.00 *
MITCHELL'S BAY LAGOON                                 *                              *                           *
      CAPACITY (MIGD):  (   .112)         (    .044 ) *  S S :   113.00       22.83  *  S S :   0.00       0.00 *
      1000 CUBIC METRES:     .509                .202 *                              *                           *
CONVENTIONAL LAGOON SEASONAL                          * T.PHOS:    4.10        0.83  * T.PHOS:  0.00       0.00 *
PHOSPHORUS REMOVAL - BATCH                            *                              *
                                                      *
                                                      *                   WATERCOURSE: LAKE ST. CLAIR
                                                      *
```

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                                                SOUTHWESTERN  -  REGION

                                       1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

****************************************************************** I N F L U E N T ************* E F F L U E N T ****** COMPLIANCE ***
*                                                          *                             *                             *                *
*  MUNICIPALITY   / WORKSNUMBER   POP.   AVG DAY FLOW *          ANNUAL AVERAGE      *          ANNUAL AVERAGE      * MONTHS          *
*  EXISTING CAPACITY                 SERVED     (MIGD)    *                             *                             *   OF   * MONTHS *
*  AND TREATMENT                              1000 CUBIC  *          CONC.     LOADING   *          CONC.    LOADING *EFFLUENT*EXCEEDED*
*                                              METRES     *          (MG/L)    KG/DAY    *          (MG/L)   KG/DAY  *  DATA  *        *
*****************************************************************************************************************************************


    DRESDEN                    *MIN*
                          110002014
    TOWN                             2278                 *  B O D:  173.00     409.15  *  B O D:   3.80      8.99 *   12
DRESDEN WPCP                                               *                             *                           *
      CAPACITY (MIGD):   (  1.000)        (     .520 ) *   S S :  318.00     752.07  *   S S :   8.40     19.87 *   12
      1000 CUBIC METRES:    4.546              2.365     *                             *                           *
EXTENDED AERATION                                          * T.PHOS:    4.60      10.88  * T.PHOS:   0.33      0.78 *   12
PHOSPHORUS REMOVAL-CONTINUOUS                              *                             *
                                                           *
                                                           *                 WATERCOURSE: SYDENHAM RIVER
                                                           *


    DUNDALK                    *MIN*
                          110001471
    VILLAGE                          1190                 *  B O D:   39.00      31.43  *  B O D:  10.70      8.62 *    2
DUNDALK  LAGOON                                            *                             *                           *
      CAPACITY (MIGD):   (   .233)        (     .177 ) *   S S :   40.00      32.24  *   S S :   8.70      7.01 *    2
      1000 CUBIC METRES:    1.059               .806     *                             *                           *
CONVENTIONAL LAGOON SEASONAL                               * T.PHOS:    2.10       1.69  * T.PHOS:   0.79      0.64 *    2
PHOSPHORUS REMOVAL - BATCH                                 *                             *
                                                           *
                                                           *                 WATERCOURSE: FOLEY DRAIN TO GRAND R.
                                                           *
                                                           *            REMEDIAL MEASURE: EXPANSION/UPGRADING


    DURHAM                     *MIN*
                          110000999
    TOWN                             2430                 *  B O D:   83.00      80.76  *  B O D:   4.20      4.09 *   12
DURHAM MUN WPCP                                            *                             *                           *
      CAPACITY (MIGD):   (   .480)        (     .214 ) *   S S :  203.00     197.52  *   S S :   8.80      8.56 *   12
      1000 CUBIC METRES:    2.182               .973     *                             *                           *
EXTENDED AERATION                                          * T.PHOS:    4.50       4.38  * T.PHOS:   0.69      0.67 *   12        1
PHOSPHORUS REMOVAL-CONTINUOUS                              *                             *
                                                           *
                                                           *                 WATERCOURSE: SAUGEEN RIVER
                                                           *
```

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                                        SOUTHWESTERN  -  REGION

                               1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

****************************************************************** I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                                 *                              *                             *                     *
*  MUNICIPALITY   / WORKSNUMBER   POP.    AVG DAY FLOW *          ANNUAL  AVERAGE        *          ANNUAL  AVERAGE      * MONTHS             *
*  EXISTING CAPACITY              SERVED     (MIGD)    *                                 *                               *   OF     * MONTHS *
*  AND TREATMENT                          1000 CUBIC   *          CONC.       LOADING    *          CONC.      LOADING   *EFFLUENT*EXCEEDED*
*                                          METRES      *         (MG/L)       KG/DAY     *         (MG/L)      KG/DAY    *  DATA  *          *
*****************************************************************************************************************************************


    DUTTON                    *MIN*
                   110001266
    VILLAGE                           809               *  B O D:  170.00        77.86  *  B O D:  17.50        8.02 *    3
DUTTON  LAGOON                                          *                             *                           *
      CAPACITY (MIGD):  (    .074)         (      .101 ) *   S S :  135.00        61.83  *   S S :  64.10       29.36 *    3          3
      1000 CUBIC METRES:     .336                 .458  *                             *                           *
CONVENTIONAL LAGOON SEASONAL                            * T.PHOS:     8.50         3.89  * T.PHOS:   0.79        0.36 *    3
PHOSPHORUS REMOVAL - BATCH                              *                             *
                                                        *
                                                        *            WATERCOURSE: BENNETT CK. TO L. ERIE
                                                        *
                                                        *       REMEDIAL MEASURE: EXPANSION/UPGRADING


    E.WILLIAMS (AILSA CRAIG)    *MIN*
                   110002050
    TOWNSHIP                          813               *  B O D:  106.00        36.78  *  B O D:   4.10        1.42 *   12
AILSA CRAIG WPCP                                        *                             *                           *
      CAPACITY (MIGD):  (    .132)         (      .076 ) *   S S :  147.00        51.01  *   S S :   9.00        3.12 *   12
      1000 CUBIC METRES:     .600                 .347  *                             *                           *
EXTENDED AERATION                                       * T.PHOS:     6.90         2.39  * T.PHOS:   0.82        0.28 *   12          3
PHOSPHORUS REMOVAL-CONTINUOUS                           *                             *
                                                        *
                                                        *            WATERCOURSE: AUSABLE  RIVER
                                                        *
                                                        *       REMEDIAL MEASURE: PROCESS/EQUIPMENT  IMPROVEMENTS


    EAST ZORRA (TAVISTOCK)      *MIN*
                   110000720
    TOWNSHIP                         1920               *  B O D:  349.00       331.20  *  B O D:  29.10       27.62 *    4          1
TAVISTOCK LAGOON                                        *                             *                           *
      CAPACITY (MIGD):  (    .170)         (      .209 ) *   S S :  287.00       272.36  *   S S :  78.30       74.31 *    4          3
      1000 CUBIC METRES:     .773                 .949  *                             *                           *
CONVENTIONAL LAGOON SEASONAL                            * T.PHOS:    14.50        13.76  * T.PHOS:   2.67        2.53 *    4          3
PHOSPHORUS REMOVAL - BATCH                              *                             *
                                                        *
                                                        *            WATERCOURSE: TRIBUTARY TO THAMES R.
                                                        *
                                                        *       REMEDIAL MEASURE: EXPANSION/UPGRADING
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                                SOUTHWESTERN  -  REGION

                    1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

****************************************************************** I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                      *                               *                          *                 *
*  MUNICIPALITY   / WORKSNUMBER   POP.   AVG DAY FLOW  *           ANNUAL  AVERAGE     *        ANNUAL  AVERAGE   * MONTHS          *
*  EXISTING CAPACITY              SERVED     (MIGD)    *                               *                          *   OF    * MONTHS *
*  AND TREATMENT                            1000 CUBIC *           CONC.     LOADING   *        CONC.    LOADING  *EFFLUENT*EXCEEDED*
*                                           METRES     *          (MG/L)     KG/DAY    *        (MG/L)   KG/DAY   *  DATA  *        *
*************************************************************************************************************************************


    ENNISKILLEN (OIL CITY)      *MIN*
                        110001738
    TOWNSHIP                         200               * B O D:  144.00        10.51  * B O D:   6.74      0.49 *    2
OIL CITY  LAGOON                                       *                              *                           *
      CAPACITY (MIGD):   (    .040)         (     .016 ) *  S S :   95.00         6.94  *  S S :  27.55      2.01 *    2        1
      1000 CUBIC METRES:     .182                 .073   *                              *                           *
CONVENTIONAL LAGOON SEASONAL                           * T.PHOS:    8.70         0.64  * T.PHOS:   0.26      0.02 *    2
PHOSPHORUS REMOVAL - BATCH                             *                              *
                                                       *
                                                       *                   WATERCOURSE: BLACK CREEK
                                                       *



    ESSEX (N.E.)                *MIN*
                        110000203
    TOWN                            2300               * B O D:   39.00        69.07  * B O D:   4.30      7.62 *    2
ESSEX LAGOON N.E.                                      *                              *                           *
      CAPACITY (MIGD):   (    .635)         (     .390 ) *  S S :   80.00       141.68  *  S S :  13.60     24.09 *    2
      1000 CUBIC METRES:    2.887                1.771   *                              *                           *
CONVENTIONAL LAGOON SEASONAL                           * T.PHOS:    3.90         6.91  * T.PHOS:   0.18      0.32 *    2
PHOSPHORUS REMOVAL - BATCH                             *                              *
                                                       *
                                                       *                   WATERCOURSE: PUCE RIVER DRAIN
                                                       *



    ESSEX (S.W.)                *MIN*
                        110000837
    TOWN                            3900               * B O D:  147.00       154.64  * B O D:  13.10     13.78 *    2
ESSEX LAGOON S.W.                                      *                              *                           *
      CAPACITY (MIGD):   (    .336)         (     .231 ) *  S S :  251.00       264.05  *  S S :  46.80     49.23 *    2        2
      1000 CUBIC METRES:    1.527                1.052   *                              *                           *
CONVENTIONAL LAGOON SEASONAL                           * T.PHOS:    8.30         8.73  * T.PHOS:   0.72      0.76 *    2
PHOSPHORUS REMOVAL - BATCH                             *                              *
                                                       *
                                                       *                   WATERCOURSE: CANARD RIVER
                                                       *
                                                       *              REMEDIAL MEASURE: MINOR MODIFICATION REQUIRED
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                                                SOUTHWESTERN  -  REGION

                                        1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

**************************************************************** I N F L U E N T ************* E F F L U E N T ****** COMPLIANCE ***
*                                                     *                              *                           *                 *
*  MUNICIPALITY  / WORKSNUMBER    POP.   AVG DAY FLOW *           ANNUAL AVERAGE     *          ANNUAL AVERAGE   * MONTHS          *
*  EXISTING CAPACITY              SERVED    (MIGD)    *                              *                           *   OF   * MONTHS *
*  AND TREATMENT                          1000 CUBIC  *           CONC.    LOADING   *          CONC.    LOADING *EFFLUENT*EXCEEDED*
*                                         METRES      *          (MG/L)    KG/DAY    *          (MG/L)   KG/DAY  *  DATA  *        *
************************************************************************************************************************************


    EXETER                    *MIN*
                       110000221
    TOWN                            3686              *  B O D:   76.00      198.51  *  B O D:   7.70      20.11 *    3
EXETER  LAGOON                                        *                              *                           *
      CAPACITY (MIGD):   (   .491)        (    .575 ) *   S S :  104.50      272.95  *   S S :  92.50     241.61 *    3        1
      1000 CUBIC METRES:   2.232              2.612   *                              *                           *
CONVENTIONAL LAGOON SEASONAL                          * T.PHOS:    4.00       10.45  * T.PHOS:   1.57       4.10 *    3        2
PHOSPHORUS REMOVAL - BATCH                            *                              *
                                                      *
                                                      *                   WATERCOURSE: AUSABLE RIVER
                                                      *
                                                      *              REMEDIAL MEASURE: EXPANSION/UPGRADING


    FOREST                     *MIN*
                       110001346
    TOWN                            2590              *  B O D:  128.00       97.28  *  B O D:  31.90      24.24 *    2        1
FOREST LAGOON                                         *                              *                           *
      CAPACITY (MIGD):   (   .297)        (    .167 ) *   S S :  168.00      127.68  *   S S : 107.40      81.62 *    2        2
      1000 CUBIC METRES:   1.350               .760   *                              *                           *
CONVENTIONAL LAGOON SEASONAL                          * T.PHOS:    5.70        4.33  * T.PHOS:   4.10       3.12 *    2
                                                      *                              *
                                                      *
                                                      *                   WATERCOURSE: HICKORY CREEK
                                                      *
                                                      *              REMEDIAL MEASURE:  MEASURE BEING EVALUATED


    GLENCOE                    *MIN*
                       110001845
    VILLAGE                         1690              *  B O D:  150.00       98.40  *  B O D:   9.50       6.23 *    1
GLENCOE LAGOON                                        *                              *                           *
      CAPACITY (MIGD):   (   .208)        (    .144 ) *   S S :  103.00       67.57  *   S S :  26.00      17.06 *    1        1
      1000 CUBIC METRES:    .946               .656   *                              *                           *
CONVENTIONAL LAGOON SEASONAL                          * T.PHOS:    7.50        4.92  * T.PHOS:   0.65       0.43 *    1
PHOSPHORUS REMOVAL - BATCH                            *                              *
                                                      *
                                                      *                   WATERCOURSE: NEWBIGGEN CREEK
                                                      *
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*************************************************************** I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                          *                            *                            *             *
*  MUNICIPALITY   / WORKSNUMBER   POP.   AVG DAY FLOW *          ANNUAL  AVERAGE         *          ANNUAL  AVERAGE   * MONTHS      *
*  EXISTING CAPACITY              SERVED    (MIGD)    *                                  *                            *   OF   * MONTHS *
*  AND TREATMENT                          1000 CUBIC  *          CONC.      LOADING      *          CONC.    LOADING *EFFLUENT*EXCEEDED*
*                                           METRES    *          (MG/L)     KG/DAY       *          (MG/L)   KG/DAY  *  DATA  *        *
************************************************************************************************************************************


    GODERICH
                   120000943
    TOWN                        7400                  *  B O D:  111.00    1,241.20  *  B O D:   5.50      61.50 *   12
GODERICH WPCP                                         *                              *                           *
      CAPACITY (MIGD):   (  2.000)         (  2.460 ) *   S S :  224.00    2,504.77  *   S S :  10.50     117.41 *   12
      1000 CUBIC METRES:    9.092             11.182  *                              *                           *
CONVENTIONAL ACTIVATED SLUDGE                         * T.PHOS:    4.40       49.20  * T.PHOS:   0.86       9.62 *   12        3
PHOSPHORUS REMOVAL-CONTINUOUS                         *                              *
                                                      *
                                                      *                 WATERCOURSE: LAKE HURON
                                                      *



    GOSFIELD N. (COTTAM)        *MIN*
                   110002005
    TOWNSHIP                     591                  *  B O D:   91.00       26.94  *  B O D:   8.60       2.55 *    2
COTTAM LAGOON                                         *                              *                           *
      CAPACITY (MIGD):   (   .149)         (   .065 ) *   S S :  142.00       42.03  *   S S :  24.80       7.34 *    2         1
      1000 CUBIC METRES:     .677               .296  *                              *                           *
CONVENTIONAL LAGOON SEASONAL                          * T.PHOS:    5.60        1.66  * T.PHOS:   0.72       0.21 *    2
PHOSPHORUS REMOVAL - BATCH                            *                              *
                                                      *
                                                      *                 WATERCOURSE: MADDOX DRAIN TO BELLE R.
                                                      *



    HANOVER
                   120001461
    TOWN                        6264                  *  B O D:  195.00      832.65  *  B O D:   9.40      40.14 *   12         1
HANOVER WPCP                                          *                              *                           *
      CAPACITY (MIGD):   (  1.400)         (   .939 ) *   S S :  206.00      879.62  *   S S :   7.50      32.03 *   12
      1000 CUBIC METRES:    6.364              4.270  *                              *                           *
CONVENTIONAL ACTIVATED SLUDGE                         * T.PHOS:    8.00       34.16  * T.PHOS:   0.86       3.67 *   12         3
PHOSPHORUS REMOVAL-CONTINUOUS                         *                              *
                                                      *
                                                      *                 WATERCOURSE: SAUGEEN RIVER
                                                      *
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SOUTHWESTERN - REGION

1985 DATA - MUNICIPAL WASTEWATER TREATMENT FACILITIES

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*************************************************************** I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                             *                          *                          *                  *
* MUNICIPALITY   / WORKSNUMBER   POP.    AVG DAY FLOW *          ANNUAL AVERAGE        *        ANNUAL AVERAGE    * MONTHS           *
* EXISTING CAPACITY              SERVED     (MIGD)    *                                *                          *   OF    * MONTHS *
* AND TREATMENT                          1000 CUBIC   *          CONC.      LOADING    *        CONC.     LOADING *EFFLUENT*EXCEEDED*
*                                          METRES     *          (MG/L)     KG/DAY     *        (MG/L)    KG/DAY  *  DATA  *         *
*************************************************************************************************************************************


   HARROW               *MIN*
                  110002103
   TOWN                            2281               *  B O D:  126.00       153.72  *  B O D:   5.00       6.10 *   3
HARROW  LAGOON                                        *                               *                           *
      CAPACITY (MIGD):  (   .335)         (     .268 ) *   S S :  211.00       257.42  *   S S :   8.70      10.61 *   3
      1000 CUBIC METRES:   1.523             1.220    *                               *                           *
CONVENTIONAL LAGOON SEASONAL                          * T.PHOS:    5.90         7.20  * T.PHOS:   0.95       1.16 *   3         1
PHOSPHORUS REMOVAL - BATCH                            *                               *
                                                      *
                                                      *             WATERCOURSE: CEDAR CREEK
                                                      *


   HENSALL              *MIN*
                  110000926
   VILLAGE                         1000               *  B O D:   90.00        48.78  *  B O D:   7.50       4.07 *   3
HENSALL LAGOON                                        *                               *                           *
      CAPACITY (MIGD):  (   .137)         (     .119 ) *   S S :  129.00        69.92  *   S S :  27.90      15.12 *   3         1
      1000 CUBIC METRES:    .623              .542    *                               *                           *
CONVENTIONAL LAGOON ANNUAL                            * T.PHOS:    5.70         3.09  * T.PHOS:   0.91       0.49 *   3
                                                      *                               *
                                                      *
                                                      *             WATERCOURSE: BLACK CK TO AUSABLE R.
                                                      *


   INGERSOLL (NEW)      *MIN*
                  110003969
   TOWN                            5300               *  B O D:  161.00       700.67  *  B O D:   6.60      28.72 *  12
INGERSOLL NEW WPCP                                    *                               *                           *
      CAPACITY (MIGD):  ( 1.500)          (     .957 ) *   S S :  324.00     1,410.05  *   S S :   6.70      29.16 *  12
      1000 CUBIC METRES:   6.819             4.352    *                               *                           *
CONVENTIONAL ACTIVATED SLUDGE                         * T.PHOS:    6.70        29.16  * T.PHOS:   0.87       3.79 *  12         3
PHOSPHORUS REMOVAL-CONTINUOUS                         *                               *
                                                      *
                                                      *             WATERCOURSE: THAMES  RIVER
                                                      *
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******************************************************************** I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                        *                               *                            *                  *
*  MUNICIPALITY   / WORKSNUMBER  POP.   AVG DAY FLOW *          ANNUAL  AVERAGE       *          ANNUAL  AVERAGE    * MONTHS           *
*  EXISTING CAPACITY             SERVED     (MIGD)     *                               *                            *   OF    * MONTHS *
*  AND TREATMENT                          1000 CUBIC   *          CONC.     LOADING    *          CONC.    LOADING *EFFLUENT*EXCEEDED*
*                                           METRES     *          (MG/L)    KG/DAY     *          (MG/L)   KG/DAY  *  DATA  *        *
*****************************************************************************************************************************************


    INGERSOLL (OLD)             *MIN*
                    110003978
    TOWN                        2700                    * B O D:  161.00      240.86  * B O D:   5.40      8.08 *   12
INGERSOLL OLD WPCP                                      *                             *                         *
      CAPACITY (MIGD):    (   .750)         (     .329 ) *  S S :  324.00      484.70  *  S S :  10.60     15.86 *   12
      1000 CUBIC METRES:    3.410                1.496   *                             *                         *
CONVENTIONAL ACTIVATED SLUDGE                           * T.PHOS:    6.70       10.02  * T.PHOS:   0.74      1.11 *   12        4
PHOSPHORUS REMOVAL-CONTINUOUS                           *                             *
                                                        *
                                                        *              WATERCOURSE: THAMES RIVER
                                                        *



    KINCARDINE                  *MIN*
                    110000864
    TOWN                        5930                    * B O D:   94.00      219.96  * B O D:  12.40     29.02 *   12
KINCARDINE LAGOON                                       *                             *                         *
      CAPACITY (MIGD):    (  1.300)         (     .515 ) *  S S :  119.00      278.46  *  S S :   9.70     22.70 *   12
      1000 CUBIC METRES:    5.910                2.340   *                             *                         *
AERATED CELL PLUS LAGOON                                * T.PHOS:    9.20       21.53  * T.PHOS:   3.08      7.21 *   12
CONTINUOUS DISCHARGE                                    *                             *
                                                        *
                                                        *              WATERCOURSE: LAKE HURON
                                                        *



    KINGSVILLE
                    120001078
    TOWN                        5200                    * B O D:    0.00        0.00  * B O D:  17.20     80.87 *    1
KINGSVILLE LAGOON                                       *                             *                         *
      CAPACITY (MIGD):    (   .391)         (    1.034 ) *  S S :    0.00        0.00  *  S S :  47.20    221.93 *    1         1
      1000 CUBIC METRES:    1.777                4.702   *                             *                         *
CONVENTIONAL LAGOON SEASONAL                            * T.PHOS:    0.00        0.00  * T.PHOS:   0.96      4.51 *    1
PHOSPHORUS REMOVAL - BATCH                              *                             *
                                                        *
                                                        *              WATERCOURSE: WIGLE CREEK
                                                        *
                                                        *         REMEDIAL MEASURE: EXPANSION/UPGRADING
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**************************************************************** I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                              *                               *                               *              *
*  MUNICIPALITY    / WORKSNUMBER   POP.    AVG DAY FLOW *          ANNUAL  AVERAGE        *          ANNUAL  AVERAGE    * MONTHS          *
*  EXISTING CAPACITY               SERVED     (MIGD)    *                                 *                             *   OF   * MONTHS *
*  AND TREATMENT                            1000 CUBIC  *          CONC.     LOADING      *          CONC.    LOADING   *EFFLUENT*EXCEEDED*
*                                           METRES      *          (MG/L)    KG/DAY       *          (MG/L)   KG/DAY    *  DATA  *        *
***********************************************************************************************************************************************


    LEAMINGTON
                   120001069
    TOWN                           12600                * B O D: 125.00      849.75  * B O D: 10.90       74.10 *   12        1
LEAMINGTON WPCP                                         *                            *                          *
      CAPACITY (MIGD):   (  4.200)        (   1.496 )  *  S S : 208.00    1,413.98  *  S S : 14.00       95.17 *   12        2
      1000 CUBIC METRES:   19.093              6.798    *                            *                          *
EXTENDED AERATION                                       * T.PHOS:   1.70      11.56  * T.PHOS:  0.98        6.66 *   12        4
PHOSPHORUS REMOVAL-CONTINUOUS                           *                            *
                                                        *
                                                        *              WATERCOURSE: LAKE ERIE
                                                        *



    LISTOWEL                *MIN*
                   110000409
    TOWN                            4968                * B O D: 268.00    1,647.13  * B O D: 12.60       77.44 *    5
LISTOWEL LAGOON  CONT DIS (SUMMER SPRAY)                *                            *                          *
      CAPACITY (MIGD):   (  1.082)        (   1.352 )  *  S S : 208.00    1,278.37  *  S S : 19.00      116.77 *    5        1
      1000 CUBIC METRES:    4.919              6.146    *                            *                          *
AERATED CELL PLUS LAGOON                                * T.PHOS:   3.90      23.97  * T.PHOS:  0.70        4.30 *    5        1
LAGOON AND SPRAY                                        *                            *
PHOSPHORUS REMOVAL-CONTINUOUS                           *
                                                        *              WATERCOURSE: CHAPMAN DRAIN
                                                        *
                                                        *         REMEDIAL MEASURE: EXPANSION/UPGRADING



    LOBO(KILWORTH HEIGHTS)**   *MIN*
                   110003362
    TOWNSHIP                          48                * B O D:  51.00        4.18  * B O D: 11.70        0.96 *   12        2
KILWORTH HEIGHTS WPCP                                   *                            *                          *
      CAPACITY (MIGD):   (   .058)        (    .018 )  *  S S : 115.00        9.43  *  S S :  8.80        0.72 *   12
      1000 CUBIC METRES:     .264               .082    *                            *                          *
EXTENDED AERATION                                       * T.PHOS:   2.00        0.16  * T.PHOS:  1.02        0.08 *   12        7
PHOSPHORUS REMOVAL-CONTINUOUS                           *                            *
EFFLUENT POLISHING                                      *
                                                        *              WATERCOURSE: THAMES RIVER
                                                        *
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SOUTHWESTERN - REGION

1985 DATA - MUNICIPAL WASTEWATER TREATMENT FACILITIES

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***************************************************************** I N F L U E N T ************* E F F L U E N T ****** COMPLIANCE ***
*                                                    *                              *                             *                   *
* MUNICIPALITY    / WORKSNUMBER  POP.    AVG DAY FLOW *          ANNUAL  AVERAGE     *         ANNUAL  AVERAGE     * MONTHS            *
* EXISTING CAPACITY              SERVED     (MIGD)    *                              *                             *   OF    * MONTHS *
* AND TREATMENT                          1000 CUBIC   *          CONC.     LOADING   *         CONC.     LOADING   *EFFLUENT*EXCEEDED*
*                                        METRES       *          (MG/L)    KG/DAY    *         (MG/L)    KG/DAY    * DATA   *        *
****************************************************************************************************************************************


    LONDON (ADELAIDE)
                       120000872
    CITY                         34766               * B O D:   99.00    1,690.33  * B O D:    2.50      42.69 *  12
ADELAIDE WPCP                                        *                             *                           *
      CAPACITY (MIGD):    (  4.000)       (  3.756 ) *  S S :  143.00    2,441.58  *  S S :    5.30      90.49 *  12
      1000 CUBIC METRES:   18.184            17.074  *                             *                           *
CONVENTIONAL ACTIVATED SLUDGE                        * T.PHOS:    4.80       81.96  * T.PHOS:   0.86      14.68 *  12
PHOSPHORUS REMOVAL-CONTINUOUS                        *                             *
                                                     *
                                                     *                WATERCOURSE: THAMES RIVER
                                                     *


    LONDON (GREENWAY)
                       120000863
    CITY                        164614               * B O D:  190.00   25,073.54  * B O D:    5.10     673.03 *  12
GREENWAY WPCP                                        *                             *                           *
      CAPACITY (MIGD):    ( 27.350)       ( 29.033 ) *  S S :  157.00   20,718.66  *  S S :    9.50   1,253.68 *  12
      1000 CUBIC METRES:  124.333           131.966  *                             *                           *
CONVENTIONAL ACTIVATED SLUDGE                        * T.PHOS:    5.60      739.01  * T.PHOS:   0.77     101.61 *  12        2
PHOSPHORUS REMOVAL-CONTINUOUS                        *                             *
                                                     *
                                                     *                WATERCOURSE: THAMES RIVER
                                                     *


    LONDON (OXFORD)
                       120000854
    CITY                         13329               * B O D:  115.00      618.01  * B O D:    4.50      24.18 *  12
OXFORD WPCP                                          *                             *                           *
      CAPACITY (MIGD):    (  1.200)       (  1.182 ) *  S S :  189.00    1,015.69  *  S S :    7.80      41.92 *  12
      1000 CUBIC METRES:    5.455             5.374  *                             *                           *
CONVENTIONAL ACTIVATED SLUDGE                        * T.PHOS:    7.20       38.69  * T.PHOS:   0.74       3.98 *  12
PHOSPHORUS REMOVAL-CONTINUOUS                        *                             *
                                                     *
                                                     *                WATERCOURSE: THAMES RIVER
                                                     *
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                                         SOUTHWESTERN  -  REGION

                          1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

**************************************************************** I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                    *                             *                            *                  *
*  MUNICIPALITY   / WORKSNUMBER  POP.    AVG DAY FLOW *        ANNUAL  AVERAGE      *        ANNUAL  AVERAGE     * MONTHS          *
*  EXISTING CAPACITY             SERVED     (MIGD)    *                             *                            *   OF    * MONTHS *
*  AND TREATMENT                          1000 CUBIC  *        CONC.     LOADING    *        CONC.     LOADING   *EFFLUENT*EXCEEDED*
*                                         METRES      *        (MG/L)    KG/DAY     *        (MG/L)    KG/DAY    *  DATA  *        *
***********************************************************************************************************************************


    LONDON (POTTERSBURG)
                   120000836
    CITY                   25979              * B O D:   94.00   1,636.92  * B O D:   2.70       47.02 *   12
POTTERSBURG WPCP                              *                            *                             *
      CAPACITY (MIGD):   ( 4.850)      (  3.831 ) *  S S :  102.00   1,776.23  *  S S :   3.90       67.91 *   12
      1000 CUBIC METRES:   22.048        17.414   *                            *                             *
CONVENTIONAL ACTIVATED SLUDGE                 * T.PHOS:   4.80      83.59  * T.PHOS:   0.63       10.97 *   12         1
PHOSPHORUS REMOVAL-CONTINUOUS                 *                            *
                                              *
                                              *                WATERCOURSE: THAMES RIVER
                                              *



    LONDON (VAUXHALL)
                   120000845
    CITY                   23154              * B O D:  181.00   3,540.54  * B O D:   3.80       74.33 *   12
VAUXHALL WPCP                                 *                            *                             *
      CAPACITY (MIGD):   ( 4.600)      (  4.303 ) *  S S :  173.00   3,384.05  *  S S :   8.30      162.36 *   12
      1000 CUBIC METRES:   20.912        19.561   *                            *                             *
CONVENTIONAL ACTIVATED SLUDGE                 * T.PHOS:   4.70      91.94  * T.PHOS:   0.62       12.13 *   12         1
PHOSPHORUS REMOVAL-CONTINUOUS                 *                            *
                                              *
                                              *                WATERCOURSE: THAMES RIVER
                                              *



    LUCAN                       *MIN*
                   110000855
    VILLAGE                 1402              * B O D:   72.00      68.76  * B O D:  15.20       14.52 *    5         1
LUCAN LAGOON                                  *                            *                             *
      CAPACITY (MIGD):   (  .082)      (   .210 ) *  S S :   88.00      84.04  *  S S :  44.30       42.31 *    5         2
      1000 CUBIC METRES:     .373          .955   *                            *                             *
CONVENTIONAL LAGOON SEASONAL                  * T.PHOS:   5.00       4.78  * T.PHOS:   0.61        0.58 *    5
                                              *                            *
                                              *
                                              *                WATERCOURSE: LITTLE AUSABLE RIVER
                                              *
                                              *           REMEDIAL MEASURE: EXPANSION/UPGRADING
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                                        SOUTHWESTERN  -  REGION

                                 1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

******************************************************************* I N F L U E N T ************* E F F L U E N T ****** COMPLIANCE ***
*                                                          *                                *                               *            *
*  MUNICIPALITY    / WORKSNUMBER   POP.   AVG DAY FLOW *           ANNUAL  AVERAGE        *           ANNUAL  AVERAGE    * MONTHS      *
*  EXISTING CAPACITY                SERVED     (MIGD)     *                                  *                               *  OF    * MONTHS *
*  AND TREATMENT                             1000 CUBIC   *           CONC.      LOADING     *           CONC.     LOADING *EFFLUENT*EXCEEDED*
*                                            METRES       *          (MG/L)     KG/DAY      *          (MG/L)    KG/DAY  *  DATA  *        *
**************************************************************************************************************************************


    MAIDSTONE (BELLE RIVER)      *MIN*
                          110002078
    TOWNSHIP                       8207                *  B O D:   78.00       495.30  *  B O D:   4.90       31.12 *   12
BELLE RIVER-MAIDSTONE WPCP                             *                               *                            *
      CAPACITY (MIGD):    (  1.500)        (   1.397 ) *   S S :   91.00       577.85  *   S S :  11.00       69.85 *   12
      1000 CUBIC METRES:     6.819             6.350   *                               *                            *
EXTENDED AERATION                                      * T.PHOS:    3.10        19.69  * T.PHOS:   0.84        5.33 *   12         3
PHOSPHORUS REMOVAL-CONTINUOUS                          *                               *
                                                       *
                                                       *            WATERCOURSE: LAKE ST.CLAIR
                                                       *



    MARKDALE                     *MIN*
                          110000418
    VILLAGE                        1260                *  B O D:   97.00        65.48  *  B O D:   4.80        3.24 *    2
MARKDALE LAGOON (NO FLOW METER)                        *                               *                            *
      CAPACITY (MIGD):    (   .247)        (    .149 ) *   S S :  136.00        91.80  *   S S :  18.00       12.15 *    2
      1000 CUBIC METRES:     1.123              .675   *                               *                            *
AERATED LAGOON                                         * T.PHOS:    7.10         4.79  * T.PHOS:   0.37        0.25 *    2
PHOSPHORUS REMOVAL-CONTINUOUS                          *                               *
EFFLUENT POLISHING                                     *
                                                       *            WATERCOURSE: ROCKY SAUGEEN RIVER
                                                       *



    MCGILLIVRAY (PARKHILL)       *MIN*
                          110002461
    TOWNSHIP                       1300                *  B O D:  142.00        93.29  *  B O D:  10.80        7.10 *    2
PARKHILL LAGOON                                        *                               *                            *
      CAPACITY (MIGD):    (   .243)        (    .145 ) *   S S :  143.00        93.95  *   S S :  32.70       21.48 *    2          1
      1000 CUBIC METRES:     1.105              .657   *                               *                            *
CONVENTIONAL LAGOON SEASONAL                           * T.PHOS:    7.30         4.80  * T.PHOS:   1.79        1.18 *    2          2
PHOSPHORUS REMOVAL - BATCH                             *                               *
                                                       *
                                                       *            WATERCOURSE: PARKHILL  CREEK
                                                       *
                                                       *        REMEDIAL MEASURE: MAINENANCE/OPERATION UPGRADING
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                                             SOUTHWESTERN  -  REGION

                                    1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

**************************************************************** I N F L U E N T ************* E F F L U E N T ****** COMPLIANCE ***
*                                                     *                              *                           *                 *
*  MUNICIPALITY   / WORKSNUMBER   POP.   AVG DAY FLOW *           ANNUAL AVERAGE     *          ANNUAL AVERAGE   * MONTHS          *
*  EXISTING CAPACITY              SERVED    (MIGD)    *                              *                           *   OF    * MONTHS *
*  AND TREATMENT                          1000 CUBIC  *           CONC.    LOADING   *          CONC.    LOADING *EFFLUENT*EXCEEDED*
*                                         METRES      *          (MG/L)    KG/DAY    *         (MG/L)    KG/DAY  *  DATA  *        *
************************************************************************************************************************************


    MEAFORD                    *MIN*
                       110000445
    TOWN                            4014              *  B O D:    73.00     237.54  *  B O D:  11.10      36.12 *  12
MEAFORD WPCP                                          *                              *                           *
      CAPACITY (MIGD):  (   .860)         (    .716 ) *   S S :   145.00     471.83  *   S S :   8.40      27.33 *  12
      1000 CUBIC METRES:    3.910             3.254   *                              *                           *
HIGH RATE                                             * T.PHOS:     4.40      14.32  * T.PHOS:   1.80       5.86 *  12
                                                      *                              *
                                                      *
                                                      *                   WATERCOURSE: GEORGIAN BAY
                                                      *



    MILDMAY                    *MIN*
                       110002194
    VILLAGE                          969              *  B O D:   118.00      46.61  *  B O D:   3.80       1.50 *  12
MILDMAY WPCP                                          *                              *                           *
      CAPACITY (MIGD):  (   .213)         (    .087 ) *   S S :   158.00      62.41  *   S S :   7.00       2.77 *  12
      1000 CUBIC METRES:     .968              .395   *                              *                           *
EXTENDED AERATION                                     * T.PHOS:     7.10       2.80  * T.PHOS:   0.60       0.24 *  12
PHOSPHORUS REMOVAL-CONTINUOUS                         *                              *
                                                      *
                                                      *                   WATERCOURSE: OTTER CREEK
                                                      *



    MILVERTON
                       110001079
    VILLAGE                         1498              *  B O D:   307.00     203.54  *  B O D:   2.40       1.59 *   2
MILVERTON LAGOON                                      *                              *                           *
      CAPACITY (MIGD):  (   .223)         (    .146 ) *   S S :   232.00     153.82  *   S S :   6.30       4.18 *   2
      1000 CUBIC METRES:    1.014              .663   *                              *                           *
CONVENTIONAL LAGOON SEASONAL                          * T.PHOS:    11.80       7.82  * T.PHOS:   0.54       0.36 *   2
AERATED CELL PLUS LAGOON                              *                              *
PHOSPHORUS REMOVAL-CONTINUOUS                         *
                                                      *                   WATERCOURSE: BOYLE DRAIN
                                                      *
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                                               SOUTHWESTERN  -  REGION

                                     1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES


****************************************************************  I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                     *                              *                          *                 *
*  MUNICIPALITY   / WORKSNUMBER  POP.   AVG DAY FLOW  *          ANNUAL  AVERAGE     *        ANNUAL  AVERAGE   * MONTHS          *
*  EXISTING CAPACITY             SERVED     (MIGD)    *                              *                          *   OF    * MONTHS *
*  AND TREATMENT                         1000 CUBIC   *          CONC.     LOADING   *        CONC.    LOADING *EFFLUENT*EXCEEDED*
*                                        METRES       *          (MG/L)    KG/DAY    *        (MG/L)   KG/DAY  *  DATA  *         *
**********************************************************************************************************************************


    MITCHELL                   *MIN*
                       110000472
    TOWN                          2745                *  B O D:  286.00      771.06  *  B O D:  10.40     28.04 *    4
MITCHELL  LAGOON                                      *                              *
      CAPACITY (MIGD):    (   .784)       (     .593 ) *   S S :  286.00      771.06  *   S S :  24.30     65.51 *    4        1
      1000 CUBIC METRES:    3.564              2.696  *                              *
CONVENTIONAL LAGOON SEASONAL                          * T.PHOS:     8.90       23.99  * T.PHOS:   0.36      0.97 *    4
PHOSPHORUS REMOVAL-CONTINUOUS                         *                              *
                                                      *
                                                      *               WATERCOURSE: THAMES RIVER
                                                      *



    MOORE (BRIGDEN)            *MIN*
                       110002023
    TOWNSHIP                       641                *  B O D:  267.00       48.33  *  B O D:   6.88      1.25 *    1
BRIGDEN P.V. LAGOON                                   *                              *
      CAPACITY (MIGD):    (   .074)       (     .040 ) *   S S :  281.00       50.86  *   S S :  39.10      7.08 *    1
      1000 CUBIC METRES:     .336               .181  *                              *
CONVENTIONAL LAGOON ANNUAL                            * T.PHOS:    10.20        1.85  * T.PHOS:   1.09      0.20 *    1        1
PHOSPHORUS REMOVAL - BATCH                            *                              *
                                                      *
                                                      *               WATERCOURSE: BEAR CREEK
                                                      *
                                                      *          REMEDIAL MEASURE: MONITOR T.PHOS CLOSELY


    MOORE (CORUNNA)            *MIN*
                       110000481
    TOWNSHIP                      3405                *  B O D:  124.00      352.90  *  B O D:   9.10     25.90 *   12
CORUNNA P.V. WPCP                                     *                              *
      CAPACITY (MIGD):    (  1.000)       (     .626 ) *   S S :  138.00      392.75  *   S S :   9.50     27.04 *   12        1
      1000 CUBIC METRES:    4.546              2.846  *                              *
EXTENDED AERATION                                     * T.PHOS:     7.80       22.20  * T.PHOS:   0.85      2.42 *   12        5
PHOSPHORUS REMOVAL-CONTINUOUS                         *                              *
                                                      *
                                                      *               WATERCOURSE: ST. CLAIR RIVER
                                                      *
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SOUTHWESTERN - REGION

1985 DATA - MUNICIPAL WASTEWATER TREATMENT FACILITIES

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**************************************************************** I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                     *                              *                             *                  *
*  MUNICIPALITY   / WORKSNUMBER   POP.    AVG DAY FLOW *          ANNUAL AVERAGE      *         ANNUAL AVERAGE      * MONTHS           *
*  EXISTING CAPACITY              SERVED     (MIGD)    *                              *                             *   OF    * MONTHS *
*  AND TREATMENT                            1000 CUBIC *          CONC.     LOADING   *         CONC.     LOADING   *EFFLUENT*EXCEEDED*
*                                           METRES     *          (MG/L)    KG/DAY    *         (MG/L)    KG/DAY    *  DATA  *         *
***************************************************************************************************************************************


    MOORE (COURTRIGHT)         *MIN*
                   110001818
    TOWNSHIP                        1526               * B O D: 140.00       122.78 * B O D: 11.30        9.91 *  12
COURTRIGHT WPCP                                        *                            *                          *
      CAPACITY (MIGD):  (    .125)       (     .193 )  *  S S : 172.00       150.84 *  S S : 15.00       13.16 *  12        2
      1000 CUBIC METRES:     .568              .877    *                            *                          *
EXTENDED AERATION                                      * T.PHOS:   8.10        7.10 * T.PHOS:  1.05        0.92 *  12        6
PHOSPHORUS REMOVAL-CONTINUOUS                          *                            *
                                                       *
                                                       *                WATERCOURSE: ST CLAIR RIVER
                                                       *



    NORMANBY (NEUSTADT)        *MIN*
                   110002443
    TOWNSHIP                         451               * B O D: 139.00        17.79 * B O D:  1.00        0.13 *   1
NEUSTADT LAGOON                                        *                            *                          *
      CAPACITY (MIGD):  (    .092)       (     .028 )  *  S S : 185.00        23.68 *  S S :  6.40        0.82 *   1
      1000 CUBIC METRES:     .418              .128    *                            *                          *
CONVENTIONAL LAGOON SEASONAL                           * T.PHOS:   7.80        1.00 * T.PHOS:  0.56        0.07 *   1
PHOSPHORUS REMOVAL - BATCH                             *                            *
                                                       *
                                                       *                WATERCOURSE: SOUTH SAUGEEN RIVER
                                                       *



    NORWICH                    *MIN*
                   110001480
    TOWNSHIP                        2156               * B O D: 207.00       190.65 * B O D: 18.10       16.67 *   4        1
NORWICH  LAGOON                                        *                            *                          *
      CAPACITY (MIGD):  (    .219)       (     .203 )  *  S S : 241.00       221.96 *  S S : 30.60       28.18 *   4        1
      1000 CUBIC METRES:     .996              .921    *                            *                          *
CONVENTIONAL LAGOON SEASONAL                           * T.PHOS:   8.50        7.83 * T.PHOS:  0.50        0.46 *   4
PHOSPHORUS REMOVAL-CONTINUOUS                          *                            *
                                                       *
                                                       *                WATERCOURSE: BIG OTTER CREEK
                                                       *
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                                            SOUTHWESTERN  -  REGION

                                   1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

*************************************************************** I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                      *                                   *                                  *           *
*  MUNICIPALITY   / WORKSNUMBER    POP.   AVG DAY FLOW *          ANNUAL  AVERAGE          *         ANNUAL  AVERAGE          * MONTHS    *
*  EXISTING CAPACITY               SERVED    (MIGD)    *                                   *                                  *   OF   * MONTHS *
*  AND TREATMENT                          1000 CUBIC   *          CONC.      LOADING       *         CONC.     LOADING *EFFLUENT*EXCEEDED*
*                                          METRES      *          (MG/L)     KG/DAY        *         (MG/L)    KG/DAY  *  DATA  *        *
*************************************************************************************************************************************


    OIL SPRINGS                *MIN*
                     110001998
    VILLAGE                         605                * B O D: 116.00       22.16  * B O D:   0.00       0.00 *
OIL SPRINGS LAGOON                                     *                            *                          *
      CAPACITY (MIGD):   (    .060)       (     .042 ) *  S S :  107.00       20.44  *  S S :   0.00       0.00 *
      1000 CUBIC METRES:      .273               .191  *                            *                          *
CONVENTIONAL LAGOON ANNUAL                             * T.PHOS:    7.30       1.39  * T.PHOS:   0.00       0.00 *
PHOSPHORUS REMOVAL - BATCH                             *                            *
                                                       *
                                                       *             WATERCOURSE: BLACK CREEK
                                                       *


    OWEN SOUND                 *MIN*
                     110000551
    CITY                          19624                * B O D:  73.00    1,644.18  * B O D:  23.80     536.05 *    12
OWEN SOUND WPCP                                        *                            *                          *
      CAPACITY (MIGD):   (  5.400)        (    4.955 ) *  S S :  108.00    2,432.48  *  S S :  20.30     457.22 *    12
      1000 CUBIC METRES:   24.548             22.523   *                            *                          *
PRIMARY                                                * T.PHOS:    4.20      94.60  * T.PHOS:   0.85      19.14 *    12       3
PHOSPHORUS REMOVAL-CONTINUOUS                          *                            *
                                                       *
                                                       *             WATERCOURSE: GEORGIAN BAY
                                                       *


    PAISLEY                    *MIN*
                     110001907
    VILLAGE                         653                * B O D: 100.00       37.00  * B O D:   5.00       1.85 *    12
PAISLEY WPCP                                           *                            *                          *
      CAPACITY (MIGD):   (    .155)       (     .081 ) *  S S :  159.00       58.83  *  S S :   7.90       2.92 *    12       1
      1000 CUBIC METRES:      .705               .370  *                            *                          *
OXIDATION DITCH                                        * T.PHOS:    5.40       2.00  * T.PHOS:   0.36       0.13 *    12
                                                       *                            *
                                                       *
                                                       *             WATERCOURSE: SAUGEEN RIVER
                                                       *
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SOUTHWESTERN - REGION

1985 DATA - MUNICIPAL WASTEWATER TREATMENT FACILITIES

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************************************************************ I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                          *                            *                            *               *
* MUNICIPALITY   / WORKSNUMBER   POP.    AVG DAY FLOW *          ANNUAL AVERAGE      *          ANNUAL AVERAGE    * MONTHS        *
* EXISTING CAPACITY              SERVED     (MIGD)     *                            *                            *   OF    * MONTHS *
* AND TREATMENT                           1000 CUBIC   *          CONC.    LOADING   *          CONC.    LOADING  *EFFLUENT*EXCEEDED*
*                                          METRES      *          (MG/L)   KG/DAY    *          (MG/L)   KG/DAY   *  DATA  *        *
**********************************************************************************************************************************


   PETROLIA            **    *MIN*
                  110000579
   TOWN                          4186                  * B O D:  112.00    165.09  * B O D:   4.90      7.22 *   12
PETROLIA  WPCP  + LAGOON  + FILTER                     *                            *                            *
      CAPACITY (MIGD):  (    .700)      (      .324 )  *  S S :  115.00    169.51  *  S S :   7.80     11.50 *   12
      1000 CUBIC METRES:     3.182            1.474    *                            *                            *
EXTENDED AERATION                                      * T.PHOS:    2.60      3.83  * T.PHOS:   0.64      0.94 *   12
PHOSPHORUS REMOVAL-CONTINUOUS                          *                            *
EFFLUENT POLISHING                                     *
                                                       *               WATERCOURSE: BEAR CREEK
                                                       *



   PLYMPTON (WYOMING)    **    *MIN*
                  110002489
   TOWNSHIP                      1740                  * B O D:  107.00     47.08  * B O D:  13.00      5.72 *   12        1
WYOMING WPCP                                           *                            *                            *
      CAPACITY (MIGD):  (    .248)      (      .097 )  *  S S :  116.00     51.04  *  S S :  10.00      4.40 *   12        1
      1000 CUBIC METRES:     1.127             .440    *                            *                            *
EXTENDED AERATION                                      * T.PHOS:    3.80      1.67  * T.PHOS:   1.00      0.44 *   12        4
PHOSPHORUS REMOVAL-CONTINUOUS                          *                            *
EFFLUENT POLISHING                                     *
                                                       *               WATERCOURSE: STONEHOUSE DRAIN
                                                       *



   POINT EDWARD              *MIN*
                  110000597
   VILLAGE                       2373                  * B O D:  146.00    317.99  * B O D:  53.40    116.31 *   12        5
POINT EDWARD WPCP                                      *                            *                            *
      CAPACITY (MIGD):  (    .570)      (      .479 )  *  S S :  454.00    988.81  *  S S :  41.40     90.17 *   12
      1000 CUBIC METRES:     2.591            2.178    *                            *                            *
PRIMARY                                                * T.PHOS:   15.50     33.76  * T.PHOS:   2.47      5.38 *   12       11
PHOSPHORUS REMOVAL-CONTINUOUS                          *                            *
                                                       *
                                                       *               WATERCOURSE: ST. CLAIR RIVER
                                                       *
                                                       *          REMEDIAL MEASURE: MAINENANCE/OPERATION UPGRADING
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                                   SOUTHWESTERN  -  REGION

                         1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

**************************************************************** I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                    *                            *                             *                    *
*  MUNICIPALITY    / WORKSNUMBER   POP.   AVG DAY FLOW *       ANNUAL  AVERAGE     *        ANNUAL  AVERAGE     * MONTHS             *
*  EXISTING CAPACITY               SERVED    (MIGD)   *                            *                             *   OF    * MONTHS *
*  AND TREATMENT                           1000 CUBIC  *       CONC.     LOADING   *        CONC.    LOADING   *EFFLUENT*EXCEEDED*
*                                           METRES    *      (MG/L)    KG/DAY     *       (MG/L)    KG/DAY    *  DATA  *         *
**************************************************************************************************************************************


   PORT BURWELL               *MIN*
                    110001319
   VILLAGE                          1007               *  B O D:  158.00       36.81  *  B O D:   6.40       1.49 *    4
PORT BURWELL WPCP                                      *                              *                           *
      CAPACITY (MIGD):   (    .116)         (     .051 ) *  S S :  166.00       38.68  *   S S :  11.30       2.63 *    4
      1000 CUBIC METRES:      .527                .233  *                              *                           *
EXTENDED AERATION                                      * T.PHOS:    9.90        2.31  * T.PHOS:   1.98       0.46 *    4         3
PHOSPHORUS REMOVAL-CONTINUOUS                          *                              *
                                                       *
                                                       *               WATERCOURSE: BIG OTTER CR.- LAKE ERIE
                                                       *
                                                       *           REMEDIAL MEASURE: MAINENANCE/OPERATION UPGRADING


   PORT ELGIN
                    120001470
   TOWN                             6210               *  B O D:   59.00      242.90  *  B O D:   8.80      36.23 *   12         1
PORT ELGIN WPCP                                        *                              *                           *
      CAPACITY (MIGD):   (  1.420)          (     .906 ) *  S S :   82.00      337.59  *   S S :   2.60      10.70 *   12
      1000 CUBIC METRES:    6.455                4.117  *                              *                           *
OXIDATION DITCH                                        * T.PHOS:    3.50       14.41  * T.PHOS:   1.66       6.83 *   11
                                                       *                              *
                                                       *
                                                       *               WATERCOURSE: SAUGEEN RIVER
                                                       *


   PORT STANLEY               *MIN*
                    110001373
   VILLAGE                          2416               *  B O D:  106.00      146.28  *  B O D:  18.00      24.84 *    4
PORT STANLEY  LAGOON                                   *                              *                           *
      CAPACITY (MIGD):   (    .329)         (     .304 ) *  S S :  105.00      144.90  *   S S :  61.60      85.01 *    4         4
      1000 CUBIC METRES:    1.496                1.380  *                              *                           *
CONVENTIONAL LAGOON SEASONAL                           * T.PHOS:    4.40        6.07  * T.PHOS:   0.82       1.13 *    4         1
PHOSPHORUS REMOVAL - BATCH                             *                              *
                                                       *
                                                       *               WATERCOURSE: DITCH TO KETTLE CREEK
                                                       *
                                                       *           REMEDIAL MEASURE:  MEASURE BEING EVALUATED
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*********************************************************** I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                  *                               *                              *              *
*  MUNICIPALITY   / WORKSNUMBER   POP.   AVG DAY FLOW *        ANNUAL  AVERAGE     *        ANNUAL  AVERAGE       * MONTHS       *
*  EXISTING CAPACITY              SERVED    (MIGD)    *                            *                              *  OF   * MONTHS *
*  AND TREATMENT                          1000 CUBIC  *        CONC.     LOADING   *        CONC.     LOADING    *EFFLUENT*EXCEEDED*
*                                           METRES    *        (MG/L)    KG/DAY    *        (MG/L)    KG/DAY     *  DATA  *        *
**********************************************************************************************************************************


    RALEIGH TILBURY E(MERLIN    *MIN*
                    110000935
    TOWNSHIP                        523               * B O D: 237.00      43.61  * B O D:  3.60        0.66 *   2
MERLIN PV LAGOON                                      *                           *                          *
      CAPACITY (MIGD):  (   .102)        (     .040 ) *  S S : 247.00      45.45  *  S S : 21.60        3.97 *   2        1
      1000 CUBIC METRES:    .464               .184   *                           *                          *
CONVENTIONAL LAGOON ANNUAL                            * T.PHOS:   7.50       1.38  * T.PHOS:  0.35        0.06 *   2
PHOSPHORUS REMOVAL - BATCH                            *                           *
                                                      *
                                                      *               WATERCOURSE: FOXTON DR.- JEANETTES CK
                                                      *



    RIDGETOWN                   *MIN*
                    110001364
    TOWN                           3039               * B O D: 138.00     151.52  * B O D: 20.60       22.62 *   2        1
RIDGETOWN  LAGOON                                     *                           *                          *
      CAPACITY (MIGD):  (   .294)        (     .242 ) *  S S : 157.00     172.39  *  S S : 83.00       91.13 *   2        2
      1000 CUBIC METRES:   1.337              1.098   *                           *                          *
CONVENTIONAL LAGOON SEASONAL                          * T.PHOS:   7.30       8.02  * T.PHOS:  0.78        0.86 *   2
PHOSPHORUS REMOVAL - BATCH                            *                           *
                                                      *
                                                      *               WATERCOURSE: GAWNE DR TO MCGREGOR CK
                                                      *
                                                      *           REMEDIAL MEASURE: EXPANSION/UPGRADING


    RODNEY                      *MIN*
                    110001667
    VILLAGE                        1007               * B O D: 333.00     159.51  * B O D: 33.30       15.95 *   3        1
RODNEY  LAGOON                                        *                           *                          *
      CAPACITY (MIGD):  (   .119)        (     .105 ) *  S S : 171.00      81.91  *  S S : 337.40     161.61 *   3        3
      1000 CUBIC METRES:    .541               .479   *                           *                          *
CONVENTIONAL LAGOON SEASONAL                          * T.PHOS:   8.20       3.93  * T.PHOS:  2.67        1.28 *   3        2
PHOSPHORUS REMOVAL - BATCH                            *                           *
                                                      *
                                                      *               WATERCOURSE: SIXTEEN MILE CK.
                                                      *
                                                      *           REMEDIAL MEASURE: EXPANSION/UPGRADING
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                                        SOUTHWESTERN  -  REGION

                              1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

*************************************************************** I N F L U E N T ************* E F F L U E N T ****** COMPLIANCE ***
*                                                          *                             *                             *                *
*  MUNICIPALITY    / WORKSNUMBER    POP.    AVG DAY FLOW *          ANNUAL  AVERAGE     *          ANNUAL  AVERAGE    * MONTHS         *
*  EXISTING CAPACITY                SERVED     (MIGD)    *                              *                             *   OF    * MONTHS *
*  AND TREATMENT                              1000 CUBIC  *          CONC.     LOADING   *          CONC.    LOADING  *EFFLUENT*EXCEEDED*
*                                              METRES     *          (MG/L)    KG/DAY    *          (MG/L)   KG/DAY   *  DATA  *        *
*************************************************************************************************************************************


    ROMNEY (WHEATLY)            *MIN*
                   110003246
    VILLAGE                     1528                     *  B O D:  330.00     163.02  *  B O D:   3.70       1.83 *   12
WHEATLY WPCP                                             *                             *                             *
      CAPACITY (MIGD):    (    .605)        (     .109 ) *   S S :  268.00     132.39  *   S S :   9.60       4.74 *   12        1
      1000 CUBIC METRES:     2.750                 .494  *                             *                             *
EXTENDED AERATION                                        * T.PHOS:    9.40       4.64  * T.PHOS:   1.31       0.65 *   12        6
PHOSPHORUS REMOVAL-CONTINUOUS                            *                             *
                                                         *
                                                         *               WATERCOURSE: LAKE ERIE
                                                         *
                                                         *          REMEDIAL MEASURE: MAINENANCE/OPERATION UPGRADING



    SARNIA
                   120000907
    CITY                       64475                     *  B O D:  120.00   6,529.20  *  B O D:  42.50   2,312.43 *   11
SARNIA WPCP                                              *                             *                             *
      CAPACITY (MIGD):    ( 14.500)         (  11.970 ) *   S S :  199.00  10,827.59  *   S S :  24.90   1,354.81 *   12
      1000 CUBIC METRES:    65.917               54.410  *                             *                             *
PRIMARY                                                  * T.PHOS:    5.20     282.93  * T.PHOS:   0.82      44.62 *   12        1
PHOSPHORUS REMOVAL-CONTINUOUS                            *                             *
                                                         *
                                                         *               WATERCOURSE: ST. CLAIR RIVER
                                                         *



    SARNIA (BRIGHT'S GROVE)     *MIN*
                   110001989
    TOWNSHIP                    2439                     *  B O D:  101.00     106.35  *  B O D:   2.80       2.95 *    1
BRIGHT'S GROVE LAGOON                                    *                             *                             *
      CAPACITY (MIGD):    (    .387)        (     .232 ) *   S S :  288.00     303.26  *   S S :   6.50       6.84 *    1
      1000 CUBIC METRES:     1.759                1.053  *                             *                             *
CONVENTIONAL LAGOON SEASONAL                             * T.PHOS:    7.30       7.69  * T.PHOS:   2.19       2.31 *    1
                                                         *                             *
                                                         *
                                                         *               WATERCOURSE: CREEK TO L.HURON
                                                         *
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                                                SOUTHWESTERN  -  REGION

                                  1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

**************************************************************** I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                     *                              *                           *                *
*  MUNICIPALITY    / WORKSNUMBER  POP.  AVG DAY FLOW *          ANNUAL AVERAGE      *          ANNUAL AVERAGE   * MONTHS         *
*  EXISTING CAPACITY              SERVED    (MIGD)    *                              *                           *   OF    * MONTHS *
*  AND TREATMENT                          1000 CUBIC  *          CONC.    LOADING   *          CONC.    LOADING *EFFLUENT*EXCEEDED*
*                                         METRES      *          (MG/L)   KG/DAY    *          (MG/L)   KG/DAY  *  DATA  *        *
************************************************************************************************************************************


    SEAFORTH                   *MIN*
                       110001177
    TOWN                           2116               *  B O D:   71.00      121.20  *  B O D:  10.60     18.09 *   4
SEAFORTH LAGOON                                       *                              *                           *
      CAPACITY (MIGD):  (    .223)        (     .376 ) *   S S :  143.00      244.10  *   S S :  13.00     22.19 *   4
      1000 CUBIC METRES:    1.014              1.707  *                              *                           *
CONVENTIONAL LAGOON SEASONAL                          * T.PHOS:     4.30        7.34  * T.PHOS:   1.22      2.08 *   4         2
PHOSPHORUS REMOVAL-CONTINUOUS                         *                              *
                                                      *
                                                      *                  WATERCOURSE: CRESSWELL CREEK
                                                      *
                                                      *             REMEDIAL MEASURE: EXPANSION/UPGRADING


    SOMBRA (PORT LAMBTON)      *MIN*
                       110001694
    TOWNSHIP                        900               *  B O D:  128.00       62.98  *  B O D:  13.30      6.54 *   2
PORT LAMBTON LAGOON                                   *                              *                           *
      CAPACITY (MIGD):  (    .238)        (     .108 ) *   S S :  230.00      113.16  *   S S : 101.10     49.74 *   2         2
      1000 CUBIC METRES:    1.082               .492  *                              *                           *
CONVENTIONAL LAGOON SEASONAL                          * T.PHOS:     6.70        3.30  * T.PHOS:   0.54      0.27 *   2
PHOSPHORUS REMOVAL - BATCH                            *                              *
                                                      *
                                                      *                  WATERCOURSE: MARSHY CK.TO ST.CLAIR R.
                                                      *
                                                      *             REMEDIAL MEASURE:  MEASURE BEING EVALUATED


    SOMBRA (PORT SOMBRA)       *MIN*
                       110001685
    TOWNSHIP                        382               *  B O D:  103.00       21.73  *  B O D:   4.10      0.87 *   1
SOMBRA  LAGOON                                        *                              *                           *
      CAPACITY (MIGD):  (    .213)        (     .046 ) *   S S :  114.00       24.05  *   S S : 252.80     53.34 *   1         1
      1000 CUBIC METRES:     .968               .211  *                              *                           *
CONVENTIONAL LAGOON SEASONAL                          * T.PHOS:     6.10        1.29  * T.PHOS:   0.40      0.08 *   1
PHOSPHORUS REMOVAL - BATCH                            *                              *
                                                      *
                                                      *                  WATERCOURSE: ST. CLAIR RIVER
                                                      *
                                                      *             REMEDIAL MEASURE:  MEASURE BEING EVALUATED
                                                SOUTHWESTERN  -  REGION

                                        1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

***************************************************************** I N F L U E N T ************* E F F L U E N T ****** COMPLIANCE ***
*                                                               *                            *                            *             *
*  MUNICIPALITY   / WORKSNUMBER   POP.   AVG DAY FLOW *          ANNUAL AVERAGE        *          ANNUAL AVERAGE       * MONTHS         *
*  EXISTING CAPACITY                  SERVED     (MIGD)    *                                   *                               *   OF    * MONTHS *
*  AND TREATMENT                                     1000 CUBIC  *          CONC.     LOADING       *          CONC.     LOADING  *EFFLUENT*EXCEEDED*
*                                                           METRES     *          (MG/L)    KG/DAY        *          (MG/L)    KG/DAY   *  DATA  *         *
*************************************************************************************************************************************


    SOUTHAMPTON              *MIN*
                        110001453
    TOWN                              2680                *  B O D:   75.00       97.73  *  B O D:   3.20      4.17 *   12
SOUTHAMPTON WPCP                                          *                              *                          *
      CAPACITY (MIGD):   (   .670)         (    .287 ) *   S S :  108.00      140.72  *   S S :   5.10      6.65 *   12
      1000 CUBIC METRES:    3.046              1.303      *                              *                          *
OXIDATION DITCH                                           * T.PHOS:    3.80        4.95  * T.PHOS:   2.57      3.35 *   12
                                                          *                              *
                                                          *
                                                          *               WATERCOURSE: SAUGEEN R.
                                                          *



    ST MARYS                 *MIN*
                        110001275
    SEPARATED TOWN                    4355                *  B O D:  208.00      801.63  *  B O D:   7.20     27.75 *   12
ST MARYS WPCP                                             *                              *                          *
      CAPACITY (MIGD):   (   .800)         (    .848 ) *   S S :  158.00      608.93  *   S S :   4.30     16.57 *   12
      1000 CUBIC METRES:    3.637              3.854      *                              *                          *
CONVENTIONAL ACTIVATED SLUDGE                             * T.PHOS:    4.90       18.88  * T.PHOS:   0.58      2.24 *   12
PHOSPHORUS REMOVAL-CONTINUOUS                             *                              *
                                                          *
                                                          *               WATERCOURSE: THAMES RIVER
                                                          *



    ST. THOMAS
                        120001112
    CITY                             27482                *  B O D:   89.00    1,686.02  *  B O D:   6.40    121.24 *   12
ST. THOMAS WPCP                                           *                              *                          *
      CAPACITY (MIGD):   (  9.000)         (  4.168 ) *   S S :  145.00    2,746.88  *   S S :   8.20    155.34 *   12          1
      1000 CUBIC METRES:   40.914             18.944      *                              *                          *
CONVENTIONAL ACTIVATED SLUDGE                             * T.PHOS:    5.20       98.51  * T.PHOS:   1.13     21.41 *   12          5
PHOSPHORUS REMOVAL-CONTINUOUS                             *                              *
                                                          *
                                                          *               WATERCOURSE: KETTLE CREEK
                                                          *
                                                          *          REMEDIAL MEASURE: MAINENANCE/OPERATION UPGRADING
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                                                  SOUTHWESTERN  -  REGION

                                         1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

****************************************************************** I N F L U E N T ************* E F F L U E N T ****** COMPLIANCE ***
*                                                       *                               *                           *                 *
*  MUNICIPALITY   / WORKSNUMBER    POP.    AVG DAY FLOW *           ANNUAL AVERAGE      *          ANNUAL AVERAGE   * MONTHS          *
*  EXISTING CAPACITY               SERVED    (MIGD)     *                               *                           *   OF   * MONTHS *
*  AND TREATMENT                           1000 CUBIC   *           CONC.    LOADING    *          CONC.    LOADING *EFFLUENT*EXCEEDED*
*                                          METRES       *          (MG/L)    KG/DAY     *         (MG/L)    KG/DAY  *  DATA  *        *
***************************************************************************************************************************************


    ST.EDMUNDS (TOBERMORY)                              *                                       NO 1985 DISCHARGE
                        120001577
    TOWNSHIP                          100               *  B O D:    0.00               *  B O D:   0.00            *
TOBERMORY LAGOON                                        *                               *                           *
      CAPACITY (MIGD):    (    .037)        (         ) *   S S :    0.00               *   S S :   0.00            *
      1000 CUBIC METRES:      .168                      *                               *                           *
AERATED CELL PLUS LAGOON                                * T.PHOS:    0.00               * T.PHOS:   0.00            *
EXFILTRATION LAGOON                                     *                               *
                                                        *
                                                        *                   WATERCOURSE: NO DISC.TO SURFACE WATER
                                                        *



    STEPHEN (GRAND BEND)        *MIN*
                        110002452
    TOWNSHIP                         3060               *  B O D:  167.00       126.25  *  B O D:   7.90       5.97 *     2
GRAND BEND LAGOON                                       *                               *                           *
      CAPACITY (MIGD):    (    .417)        (    .166 ) *   S S :  217.00       164.05  *   S S : 100.70      76.13 *     2        2
      1000 CUBIC METRES:     1.896               .756   *                               *                           *
CONVENTIONAL LAGOON SEASONAL                            * T.PHOS:    4.20         3.18  * T.PHOS:   0.66       0.50 *     2
PHOSPHORUS REMOVAL - BATCH                              *                               *
                                                        *
                                                        *                   WATERCOURSE: AUSABLE  RIVER
                                                        *
                                                        *              REMEDIAL MEASURE:  MEASURE BEING EVALUATED


    STEPHEN (HURON PARK)        *MIN*
                        110003488
    TOWNSHIP                         1400               *  B O D:  149.00       227.08  *  B O D:   9.20      14.02 *    12        1
HURON PARK WPCP                                         *                               *                           *
      CAPACITY (MIGD):    (    .400)        (    .335 ) *   S S :  134.00       204.22  *   S S :   9.30      14.17 *    12        1
      1000 CUBIC METRES:     1.818              1.524   *                               *                           *
CONVENTIONAL ACTIVATED SLUDGE                           * T.PHOS:    3.60         5.49  * T.PHOS:   1.44       2.19 *    12
                                                        *                               *
                                                        *
                                                        *                   WATERCOURSE: AUSABLE R
                                                        *
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SOUTHWESTERN - REGION

1985 DATA - MUNICIPAL WASTEWATER TREATMENT FACILITIES

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***************************************************************** I N F L U E N T ************* E F F L U E N T ****** COMPLIANCE ***
*                                                      *                              *                          *                 *
*  MUNICIPALITY   / WORKSNUMBER   POP.   AVG DAY FLOW  *       ANNUAL AVERAGE         *       ANNUAL AVERAGE     * MONTHS          *
*  EXISTING CAPACITY              SERVED    (MIGD)     *                              *                          *   OF    * MONTHS *
*  AND TREATMENT                           1000 CUBIC  *       CONC.    LOADING       *       CONC.    LOADING   *EFFLUENT*EXCEEDED*
*                                          METRES      *       (MG/L)   KG/DAY        *       (MG/L)   KG/DAY    *  DATA  *        *
************************************************************************************************************************************


    STRATFORD              **   *MIN*
                       110000702
    CITY                          25806                * B O D: 111.00    2,775.89  * B O D: 13.10     327.60 *  12         1
STRATFORD WPCP                                         *                            *                         *
      CAPACITY (MIGD):   ( 6.000)        (  5.502 )    *  S S : 174.00    4,351.39  *  S S :  1.00      25.01 *  12
      1000 CUBIC METRES:   27.276           25.008     *                            *                         *
CONVENTIONAL ACTIVATED SLUDGE                          * T.PHOS:   4.60     115.04  * T.PHOS:  0.22       5.50 *  12
PHOSPHORUS REMOVAL-CONTINUOUS                          *                            *
EFFLUENT POLISHING                                     *
                                                       *            WATERCOURSE: AVON RIVER
                                                       *


    STRATHROY
                       120000827
    TOWN                           8118                * B O D: 135.00      590.90  * B O D:  5.70      24.95 *  12
STRATHROY LAGOON                                       *                            *                         *
      CAPACITY (MIGD):   ( 1.140)        (    .963 )   *  S S : 274.00    1,199.30  *  S S :  7.90      34.58 *  12         1
      1000 CUBIC METRES:    5.182            4.377     *                            *                         *
AERATED LAGOON                                         * T.PHOS:   7.00      30.64  * T.PHOS:  1.29       5.65 *  12         8
CONTINUOUS DISCHARGE                                   *                            *
PHOSPHORUS REMOVAL-CONTINUOUS                          *
                                                       *            WATERCOURSE: SYDENHAM RIVER
                                                       *
                                                       *       REMEDIAL MEASURE: MAINENANCE/OPERATION UPGRADING


    THAMESVILLE                 *MIN*
                       110002470
    VILLAGE                         905                * B O D: 214.00       43.01  * B O D:  9.40       1.89 *   7         1
THAMESVILLE WPCP                                       *                            *                         *
      CAPACITY (MIGD):   (  .180)        (    .044 )   *  S S : 198.00       39.80  *  S S :  8.60       1.73 *   7
      1000 CUBIC METRES:     .818             .201     *                            *                         *
EXTENDED AERATION                                      * T.PHOS:   8.40       1.69  * T.PHOS:  0.34       0.07 *   7
PHOSPHORUS REMOVAL-CONTINUOUS                          *                            *
                                                       *
                                                       *            WATERCOURSE: THAMES  RIVER
                                                       *
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                                          SOUTHWESTERN  -  REGION

                                1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

******************************************************************* I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                       *                               *                               *              *
*  MUNICIPALITY    / WORKSNUMBER   POP.   AVG DAY FLOW *           ANNUAL  AVERAGE      *           ANNUAL  AVERAGE     * MONTHS       *
*  EXISTING CAPACITY                SERVED     (MIGD)   *                               *                               *   OF   * MONTHS *
*  AND TREATMENT                           1000 CUBIC  *          CONC.     LOADING    *          CONC.     LOADING *EFFLUENT*EXCEEDED*
*                                          METRES      *          (MG/L)    KG/DAY     *          (MG/L)    KG/DAY  *  DATA  *         *
****************************************************************************************************************************************


    THEDFORD                  *MIN*
                  110002336
    VILLAGE                        661                  *  B O D:   98.00       24.70  *  B O D:   9.10        2.29 *    2
THEDFORD LAGOON                                         *                               *                               *
      CAPACITY (MIGD):   (    .106)         (      .055 ) *   S S :  244.00       61.49  *   S S :  87.00       21.92 *    2         1
      1000 CUBIC METRES:      .482                 .252  *                               *                               *
CONVENTIONAL LAGOON ANNUAL                              * T.PHOS:    4.30        1.08  * T.PHOS:   0.74        0.19 *    2
                                                        *                               *
                                                        *
                                                        *                 WATERCOURSE: DECKER CREEK
                                                        *
                                                        *            REMEDIAL MEASURE:  MEASURE BEING EVALUATED


    THORNBURY                 *MIN*
                  110001890
    TOWN                          1543                  *  B O D:   46.00       66.61  *  B O D:  13.60       19.69 *    8         2
THORNBURY LAGOON (SUMMER STORAGE)                       *                               *                               *
      CAPACITY (MIGD):   (    .380)         (      .319 ) *   S S :   80.00      115.84  *   S S :  17.10       24.76 *    8         1
      1000 CUBIC METRES:    1.727                 1.448  *                               *                               *
AERATED CELL PLUS LAGOON                                * T.PHOS:    2.90        4.20  * T.PHOS:   1.31        1.90 *    8
                                                        *                               *
                                                        *
                                                        *                 WATERCOURSE: BEAVER RIVER
                                                        *


    TILBURY
                  120000916
    TOWN                          4200                  *  B O D:    0.00        0.00  *  B O D:   6.40        2.16 *    2
TILBURY LAGOON                                          *                               *                               *
      CAPACITY (MIGD):   (    .558)         (      .074 ) *   S S :    0.00        0.00  *   S S :  19.10        6.46 *    2
      1000 CUBIC METRES:    2.537                  .338  *                               *                               *
CONVENTIONAL LAGOON SEASONAL                            * T.PHOS:    0.00        0.00  * T.PHOS:   1.50        0.51 *    2         1
PHOSPHORUS REMOVAL-CONTINUOUS                           *                               *
                                                        *
                                                        *                 WATERCOURSE: TILBURY CREEK
                                                        *
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                                        SOUTHWESTERN  -  REGION

                              1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT  FACILITIES

**************************************************************** I N F L U E N T ************* E F F L U E N T ****** COMPLIANCE ***
*                                                     *                              *                           *                 *
*  MUNICIPALITY   / WORKSNUMBER   POP.   AVG DAY FLOW *          ANNUAL  AVERAGE     *          ANNUAL  AVERAGE  * MONTHS          *
*  EXISTING CAPACITY              SERVED    (MIGD)    *                              *                           *   OF    * MONTHS *
*  AND TREATMENT                          1000 CUBIC  *          CONC.     LOADING   *          CONC.    LOADING *EFFLUENT*EXCEEDED*
*                                         METRES      *         (MG/L)     KG/DAY    *         (MG/L)    KG/DAY  *  DATA  *        *
***********************************************************************************************************************************


    TILBURY N (STONEY POINT)    *MIN*
                   110002345
    TOWNSHIP                       935                * B O D:  35.00       41.90 * B O D:   4.20       5.03 *   3
STONEY POINT P.V. LAGOON                              *                           *                          *
      CAPACITY (MIGD):   (   .211)      (   .263 )    *  S S :  40.00       47.88 *  S S :  12.20      14.60 *   3
      1000 CUBIC METRES:     .959            1.197    *                           *                          *
CONVENTIONAL LAGOON SEASONAL                          * T.PHOS:   2.90       3.47 * T.PHOS:   0.48       0.57 *   3
PHOSPHORUS REMOVAL - BATCH                            *                           *
                                                      *
                                                      *                  WATERCOURSE: LITTLE CREEK
                                                      *


    TILBURY WEST (COMBER)       *MIN*
                   110001676
    TOWNSHIP                       644                * B O D: 137.00       45.07 * B O D:   5.90       1.94 *   3
COMBER LAGOON                                         *                           *                          *
      CAPACITY (MIGD):   (   .089)      (   .072 )    *  S S : 178.00       58.56 *  S S :  12.40       4.08 *   3
      1000 CUBIC METRES:     .405             .329    *                           *                          *
CONVENTIONAL LAGOON SEASONAL                          * T.PHOS:   8.30       2.73 * T.PHOS:   0.32       0.11 *   3
PHOSPHORUS REMOVAL - BATCH                            *                           *
                                                      *
                                                      *                  WATERCOURSE: GOVN'T DR NO.1 TO BIG CK
                                                      *


    TILLSONBURG                 *MIN*
                   110000757
    TOWN                          9519                * B O D: 112.00      606.48 * B O D:   3.50      18.95 *  12
TILLSONBURG WPCP                                      *                           *                          *
      CAPACITY (MIGD):   (  1.800)      (  1.191 )    *  S S : 168.00      909.72 *  S S :   7.50      40.61 *  12
      1000 CUBIC METRES:    8.183            5.415    *                           *                          *
CONVENTIONAL ACTIVATED SLUDGE                         * T.PHOS:   6.00      32.49 * T.PHOS:   0.79       4.28 *  12         1
PHOSPHORUS REMOVAL-CONTINUOUS                         *                           *
                                                      *
                                                      *                  WATERCOURSE: BIG OTTER CREEK
                                                      *
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SOUTHWESTERN - REGION

1985 DATA - MUNICIPAL WASTEWATER TREATMENT FACILITIES

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******************************************************************** I N F L U E N T ************* E F F L U E N T ****** COMPLIANCE ***
*                                                      *                                *                              *                  *
* MUNICIPALITY   / WORKSNUMBER   POP.    AVG DAY FLOW *         ANNUAL  AVERAGE        *          ANNUAL  AVERAGE     * MONTHS           *
* EXISTING CAPACITY              SERVED     (MIGD)     *                                *                              *   OF    * MONTHS *
* AND TREATMENT                           1000 CUBIC   *         CONC.     LOADING      *          CONC.     LOADING   *EFFLUENT*EXCEEDED*
*                                           METRES     *         (MG/L)    KG/DAY       *          (MG/L)    KG/DAY    * DATA   *         *
***************************************************************************************************************************************


    TUCKERSMITH (VAN ASTRA)    *MIN*
                    110003013
    TOWNSHIP                      650                  * B O D:  42.00       38.35  * B O D:  8.70         7.94 *    9         1
VAN ASTRA WPCP                                         *                            *                           *
      CAPACITY (MIGD):    (   .309)         (     .201 ) *  S S :  47.00       42.91  *  S S : 13.00        11.87 *    9         2
      1000 CUBIC METRES:    1.405                .913  *                            *                           *
CONVENTIONAL ACTIVATED SLUDGE                          * T.PHOS:   2.70        2.47  * T.PHOS:  0.76         0.69 *    9         1
PHOSPHORUS REMOVAL-CONTINUOUS                          *                            *
                                                       *
                                                       *          WATERCOURSE: MUN DRAIN TO BAYFIELD R.
                                                       *


    WALKERTON
                    120001489
    TOWN                         4591                  * B O D: 358.00    2,396.09  * B O D: 13.70        91.69 *   12         3
WALKERTON WPCP                                         *                            *                           *
      CAPACITY (MIGD):    (  1.660)         (    1.472 ) *  S S : 292.00    1,954.36  *  S S :  6.80        45.51 *   12
      1000 CUBIC METRES:    7.546               6.693  *                            *                           *
CONVENTIONAL ACTIVATED SLUDGE                          * T.PHOS:   9.50       63.58  * T.PHOS:  0.79         5.29 *   12         2
PHOSPHORUS REMOVAL-CONTINUOUS                          *                            *
                                                       *
                                                       *          WATERCOURSE: SAUGEEN  RIVER
                                                       *


    WALLACEBURG                *MIN*
                    110000784
    TOWN                         8500                  * B O D: 104.00      922.58  * B O D: 12.10       107.34 *   12         1
WALLACEBURG WPCP                                       *                            *                           *
      CAPACITY (MIGD):    (  1.500)         (    1.952 ) *  S S : 167.00    1,481.46  *  S S :  8.80        78.06 *   11
      1000 CUBIC METRES:    6.819               8.871  *                            *                           *
CONVENTIONAL ACTIVATED SLUDGE                          * T.PHOS:   3.70       32.82  * T.PHOS:  0.42         3.73 *    9         1
PHOSPHORUS REMOVAL-CONTINUOUS                          *                            *
                                                       *
                                                       *          WATERCOURSE: SYDENHAM RIVER
                                                       *
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SOUTHWESTERN - REGION

1985 DATA - MUNICIPAL WASTEWATER TREATMENT FACILITIES

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************************************************************** I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                  *                               *                           *                 *
*  MUNICIPALITY   / WORKSNUMBER    POP.   AVG DAY FLOW *        ANNUAL  AVERAGE       *       ANNUAL  AVERAGE    * MONTHS          *
*  EXISTING CAPACITY               SERVED     (MIGD)   *                              *                          *   OF    * MONTHS *
*  AND TREATMENT                          1000 CUBIC   *        CONC.      LOADING    *       CONC.     LOADING  *EFFLUENT*EXCEEDED*
*                                         METRES       *        (MG/L)     KG/DAY     *       (MG/L)    KG/DAY   *  DATA   *        *
**********************************************************************************************************************************


    WATFORD                   *MIN*
                        110001809
    VILLAGE                       1434                 *  B O D:  116.00      57.07  *  B O D:  17.20      8.46 *    1
WATFORD LAGOON                                         *                             *                          *
      CAPACITY (MIGD):   (   .231)        (     .108 ) *   S S :   83.00      40.84  *   S S : 140.10     68.93 *    1          1
      1000 CUBIC METRES:    1.050               .492   *                             *                          *
CONVENTIONAL LAGOON SEASONAL                           * T.PHOS:    6.10       3.00  * T.PHOS:   0.88      0.43 *    1
PHOSPHORUS REMOVAL - BATCH                             *                             *
                                                       *
                                                       *              WATERCOURSE: BEAR CREEK
                                                       *
                                                       *         REMEDIAL MEASURE:  MEASURE BEING EVALUATED


    WEST LORNE                *MIN*
                        110001337
    VILLAGE                       1220                 *  B O D:   95.00      59.47  *  B O D:  20.10     12.58 *    4          1
WEST LORNE LAGOON                                      *                             *                          *
      CAPACITY (MIGD):   (   .149)        (     .138 ) *   S S :  104.00      65.10  *   S S :  68.20     42.69 *    4          4
      1000 CUBIC METRES:     .677               .626   *                             *                          *
CONVENTIONAL LAGOON SEASONAL                           * T.PHOS:    6.30       3.94  * T.PHOS:   0.64      0.40 *    4
PHOSPHORUS REMOVAL - BATCH                             *                             *
                                                       *
                                                       *              WATERCOURSE: ZOLLER DRAIN
                                                       *
                                                       *         REMEDIAL MEASURE:  MEASURE BEING EVALUATED


    WESTMINSTER (SOUTHLAND)    *MIN*
                        120000818
    TOWNSHIP                       540                 *  B O D:  110.00      13.09  *  B O D:  11.40      1.36 *   11          1
SOUTHLAND PARK WPCP(MIN.12.4.85)                       *                             *                          *
      CAPACITY (MIGD):   (   .058)        (     .026 ) *   S S :  130.00      15.47  *   S S :  14.30      1.70 *   11          2
      1000 CUBIC METRES:     .264               .119   *                             *                          *
EXTENDED AERATION                                      * T.PHOS:    6.70       0.80  * T.PHOS:   1.96      0.23 *   11         10
PHOSPHORUS REMOVAL-CONTINUOUS                          *                             *
                                                       *
                                                       *              WATERCOURSE: DINGMAN CREEK
                                                       *
                                                       *         REMEDIAL MEASURE: PROCESS/EQUIPMENT IMPROVEMENTS
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SOUTHWESTERN - REGION

1985 DATA - MUNICIPAL WASTEWATER TREATMENT FACILITIES

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***************************************************************** I N F L U E N T ************* E F F L U E N T ****** COMPLIANCE ***
*                                                      *                               *                           *                  *
*  MUNICIPALITY    / WORKSNUMBER   POP.   AVG DAY FLOW *           ANNUAL AVERAGE      *          ANNUAL AVERAGE   * MONTHS           *
*  EXISTING CAPACITY               SERVED    (MIGD)    *                               *                           *  OF    * MONTHS  *
*  AND TREATMENT                           1000 CUBIC  *           CONC.    LOADING    *          CONC.    LOADING *EFFLUENT*EXCEEDED*
*                                          METRES      *          (MG/L)    KG/DAY     *          (MG/L)   KG/DAY  *  DATA  *         *
*****************************************************************************************************************************************


    WESTMINSTER (WESTMINSTER   *MIN*
                    110000800
    TOWNSHIP                     6059                  * B O D:  157.00      205.67  * B O D:    8.90      11.66 *  12
WESTMINSTER WPCP                                       *                             *                           *
      CAPACITY (MIGD):   (   .250)       (    .288 )   *  S S :  367.00      480.77  *  S S :   12.50      16.38 *  12         1
      1000 CUBIC METRES:    1.137            1.310     *                             *                           *
EXTENDED AERATION                                      * T.PHOS:   6.20        8.12  * T.PHOS:   0.54       0.71 *  12
PHOSPHORUS REMOVAL-CONTINUOUS                          *                             *
                                                       *
                                                       *                  WATERCOURSE: DINGMAN CREEK
                                                       *



    WIARTON                    *MIN*
                    110000819
    TOWN                         2061                  * B O D:   50.00      122.45  * B O D:    9.40      23.02 *  12
WIARTON LAGOON                                         *                             *                           *
      CAPACITY (MIGD):   (   .441)       (    .539 )   *  S S :   59.00      144.49  *  S S :   14.90      36.49 *  12         1
      1000 CUBIC METRES:    2.005            2.449     *                             *                           *
CONVENTIONAL LAGOON CONTINUOUS                         * T.PHOS:   2.30        5.63  * T.PHOS:   0.38       0.93 *  12
PHOSPHORUS REMOVAL-CONTINUOUS                          *                             *
                                                       *
                                                       *                  WATERCOURSE: COLPOY BAY
                                                       *



    WINDSOR (LITTLE)
                    120001096
    CITY                        64000                  * B O D:   98.00    4,411.47  * B O D:    5.30     238.58 *  12
LTTLE RIVER WPCP                                       *                             *                           *
      CAPACITY (MIGD):   ( 8.000)        (   9.903 )   *  S S :  130.00    5,851.95  *  S S :    9.50     427.64 *  12
      1000 CUBIC METRES:   36.368           45.015     *                             *                           *
CONVENTIONAL ACTIVATED SLUDGE                          * T.PHOS:   4.80      216.07  * T.PHOS:   0.82      36.91 *  12         3
PHOSPHORUS REMOVAL-CONTINUOUS                          *                             *
                                                       *
                                                       *                  WATERCOURSE: LITTLE RIVER
                                                       *
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                                    SOUTHWESTERN  -  REGION

                          1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

****************************************************************I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                          *                              *                           *                 *
*  MUNICIPALITY   / WORKSNUMBER   POP.    AVG DAY FLOW *          ANNUAL  AVERAGE     *          ANNUAL  AVERAGE   * MONTHS          *
*  EXISTING CAPACITY              SERVED     (MIGD)    *                              *                            *   OF    * MONTHS *
*  AND TREATMENT                          1000 CUBIC   *          CONC.      LOADING  *          CONC.    LOADING *EFFLUENT*EXCEEDED*
*                                          METRES      *          (MG/L)     KG/DAY   *          (MG/L)   KG/DAY  *  DATA  *        *
***********************************************************************************************************************************


   WINDSOR (WESTERLY)
                   120001103
   CITY                      123000                    * B O D:    71.00    8,852.42  *  B O D:  22.10   2,755.47 *   12
WESTERLY WPCP                                          *                              *                           *
     CAPACITY (MIGD):    ( 36.000)        (  27.430 )  *  S S :    88.00   10,972.02  *   S S :  20.00   2,493.64 *   12
     1000 CUBIC METRES:  163.656            124.682    *                              *                           *
PRIMARY                                                * T.PHOS:    4.40      548.60  * T.PHOS:   0.86     107.23 *   12         2
PHOSPHORUS REMOVAL-CONTINUOUS                          *                              *
                                                       *
                                                       *                 WATERCOURSE: DETROIT RIVER
                                                       *



   WINGHAM                             *MIN*
                   110000828
   TOWN                        2931                    * B O D:   151.00      379.61  *  B O D:  12.70      31.93 *   12
WINGHAM LAGOON                                         *                              *                           *
     CAPACITY (MIGD):    (   .353)        (     .553 ) *  S S :   155.00      389.67  *   S S :  21.80      54.81 *   12         1
     1000 CUBIC METRES:    1.605              2.514    *                              *                           *
CONVENTIONAL LAGOON CONTINUOUS                         * T.PHOS:    5.40       13.58  * T.PHOS:   1.89       4.75 *   12
                                                       *                              *
                                                       *
                                                       *                 WATERCOURSE: MAITLAND RIVER
                                                       *
                                                       *            REMEDIAL MEASURE: EXPANSION/UPGRADING


   WOODSTOCK
                   120000685
   CITY                       26500                    * B O D:    83.00    1,984.70  *  B O D:  11.70     279.77 *   12
WOODSTOCK WPCP                                         *                              *                           *
     CAPACITY (MIGD):    (  8.000)        (   5.261 )  *  S S :   108.00    2,582.50  *   S S :  16.50     394.55 *   12         1
     1000 CUBIC METRES:   36.368             23.912    *                              *                           *
CONVENTIONAL ACTIVATED SLUDGE                          * T.PHOS:    4.00       95.65  * T.PHOS:   1.02      24.39 *   11         5
PHOSPHORUS REMOVAL-CONTINUOUS                          *                              *
                                                       *
                                                       *                 WATERCOURSE: THAMES RIVER
                                                       *
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SOUTHWESTERN - REGION

1985 DATA - MUNICIPAL WASTEWATER TREATMENT FACILITIES

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****************************************************************** I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                          *                              *                              *                  *
*  MUNICIPALITY   / WORKSNUMBER   POP.   AVG DAY FLOW *          ANNUAL  AVERAGE          *          ANNUAL  AVERAGE    * MONTHS            *
*  EXISTING CAPACITY              SERVED    (MIGD)    *                                   *                              *   OF    * MONTHS *
*  AND TREATMENT                           1000 CUBIC  *          CONC.     LOADING        *          CONC.    LOADING *EFFLUENT*EXCEEDED*
*                                           METRES     *          (MG/L)    KG/DAY         *          (MG/L)   KG/DAY  *  DATA  *        *
*******************************************************************************************************************************************


    ZURICH                     *MIN*
                   110001444
    VILLAGE                         800               * B O D: 114.00       55.18  * B O D: 14.00        6.78 *    2
ZURICH LAGOON                                         *                            *                          *
      CAPACITY (MIGD):   (    .097)       (     .106 ) *  S S :  167.00       80.83  *  S S :  40.20       19.46 *    2         1
      1000 CUBIC METRES:      .441              .484   *                            *                          *
CONVENTIONAL LAGOON SEASONAL                          * T.PHOS:    6.40        3.10  * T.PHOS:   1.50        0.73 *    2
                                                      *                            *
                                                      *
                                                      *                WATERCOURSE: MUN DRAIN TO L. HURON
                                                      *
```

SOUTHWESTERN REGION

AREA WASTEWATER TREATMENT SYSTEMS

TOTAL AREA WASTEWATER TREATMENT SYSTEMS	TOTAL CAPACITY 1000m^3	MIGD
TWO	206.8	45.5

SYSTEM: BELLE RIVER - MAIDSTONE POLLUTION CONTROL SYSTEM

Number of Plants: One
Operated by: The Ministry of the Environment

Number of Municipalities Served: Two

PLANT LOCATION	TREATMENT	CAPACITY	MUNICIPALITIES SERVED	WATERCOURSE
MAIDSTONE TWP. - Belle River - Maidstone WPCP 110002078	Extended Aeration Phosphorus Removal	1.5 MIGD (6.8 $1000m^3/d$)	Belle River Town Maidstone Twp.	Lake St. Clair

SYSTEM: WINDSOR POLLUTION CONTROL SYSTEM

Number of Plants: Two
Operated by: City of Windsor

Number of Municipalities Services: Five

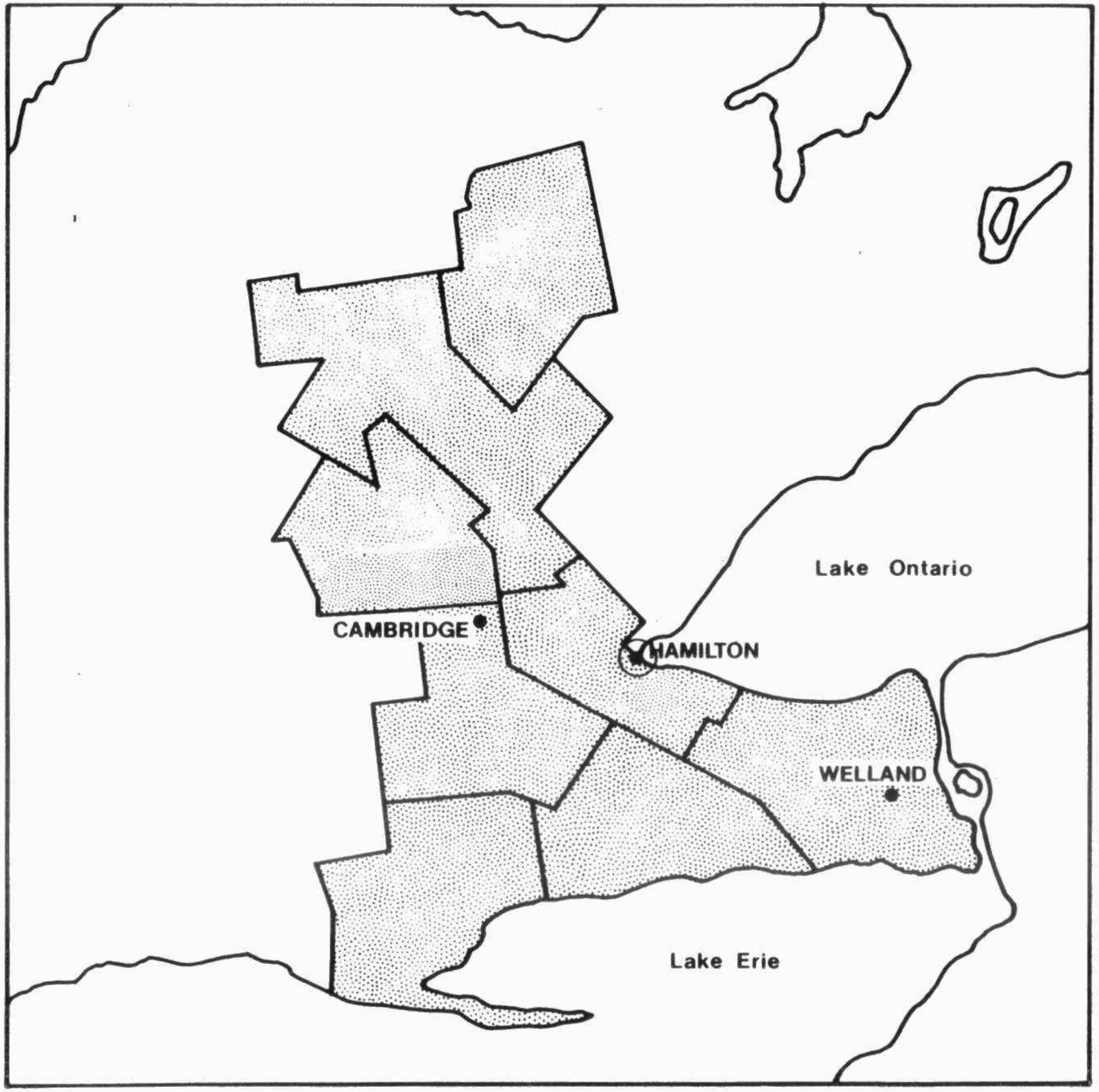
PLANT LOCATION	TREATMENT	CAPACITY	MUNICIPALITIES SERVED	WATERCOURSE
WINDSOR CITY - Little River WPCP 120000096	Conv. Act. Sludge Phosphorus Removal	8.0 MIGD (36.4 $1000m^3/d$)	Windsor City *Tecumseh Town *St. Clair Beach Village *Sandwich South Twp.	Little River
WINDSOR CITY - Westerly WPCP 120001103	Primary Phosphorus Removal	36.0 MIGD (163.6 $1000m^3/d$)	Windsor City Sandwich West Twp.	Detroit River

*Ministry operated sanitary sewage collection systems are serving these municipalities.

West Central Region

②

Ministry
of the
Environment
Ontario



West Central Region ②

REGIONAL OFFICES

Hamilton
119 King St. W.
P.O. Box 2112
L8N 3Z9
416 521-7640

DISTRICT OFFICES

Cambridge
400 Clyde Road
P.O. Box 219
N1R 5T8
519 623-2080

Haldimand-Norfolk/Brant
119 King St. W.
P.O. Box 2112
L8N 3Z9
416 521-7657

Hamilton-Wentworth
119 King St. W.
P.O. Box 2112
L8N 3Z9
416 521-7732

Welland
637 641 Niagara St. N.
L3C 1L9
416 735-0431

WEST CENTRAL REGION SUMMARY

TREATMENT TYPE	<----------- NUMBER -------------->			<---------- ** CAPACITY MIGD ** -------------> ($1000M^3$)		
	MINISTRY	MUNICIPAL	TOTAL	MINISTRY	MUNICIPAL	TOTAL
COMMUNAL SEPTIC TANK	0	1	1	.000	.050	.050 (.227)
PRIMARY	1	2	3	.900	16.400	17.300 (78.646)
CONVENTIONAL ACTIVATED SLUDGE	13	11	24	78.640	147.540	226.180 (1,028.214)
EXTENDED AERATION	6	2	8	2.577	1.529	4.106 (18.666)
HIGH RATE	1	0	1	2.050	.000	2.050 (9.319)
OXIDATION DITCH	4	0	4	.992	.000	.992 (4.510)
CONVENTIONAL LAGOON ANNUAL	1	0	1	.020	.000	.020 (.091)
CONVENTIONAL LAGOON CONTINUOUS	0	1	1	.000	.504	.504 (2.291)
CONVENTIONAL LAGOON SEASONAL	6	4	10	.935	.541	1.476 (6.710)
AERATED CELL PLUS LAGOON	2	2	4	1.070	1.095	2.165 (9.842)
**** TOTALS ****	34	23	57	87.184 (396.338)	167.659 (762.178)	254.843 (1,158.516)

** MIGD: MILLIONS OF IMPERIAL GALLONS PER DAY | CONVERSION FACTOR

$1000M^3$:THOUSANDS OF CUBIC METRES | 1 MIGD = 4.546 $1000M^3$

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                                        WEST-CENTRAL  -  REGION

                               1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

****************************************************** I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                    *                              *                              *                  *
*  MUNICIPALITY   / WORKSNUMBER   POP.   AVG DAY FLOW *         ANNUAL AVERAGE       *         ANNUAL AVERAGE       * MONTHS           *
*  EXISTING CAPACITY               SERVED    (MIGD)    *                              *                              *   OF    * MONTHS *
*  AND TREATMENT                           1000 CUBIC  *          CONC.     LOADING   *          CONC.     LOADING   *EFFLUENT*EXCEEDED*
*                                           METRES     *          (MG/L)    KG/DAY    *          (MG/L)    KG/DAY    *  DATA  *        *
***************************************************************************************************************************


    ARTHUR                  *MIN*
                   110000882
    VILLAGE                       1674               * B O D: 131.00      141.48  * B O D: 16.40       17.71 *   3
ARTHUR LAGOON                                        *                            *                            *
      CAPACITY (MIGD):   (    .216)         (    .238 ) *  S S :   82.00       88.56  *  S S : 43.80       47.30 *   3         2
      1000 CUBIC METRES:      .982              1.080  *                            *                            *
CONVENTIONAL LAGOON SEASONAL                         * T.PHOS:    4.00        4.32  * T.PHOS:  0.85        0.92 *   3
PHOSPHORUS REMOVAL - BATCH                           *                            *
                                                     *
                                                     *             WATERCOURSE: CONESTOGA RIVER
                                                     *
                                                     *        REMEDIAL MEASURE: EXPANSION/UPGRADING


    BRANTFORD               *MIN*
                   110000043
    CITY                         73000               * B O D: 168.00    9,829.34  * B O D:  9.50      555.83 *  12
BRANTFORD WPCP                                       *                            *                            *
      CAPACITY (MIGD):   ( 18.000)         ( 12.872 ) *  S S : 219.00   12,813.25  *  S S :  8.10      473.91 *  12
      1000 CUBIC METRES:   81.828             58.508  *                            *                            *
CONVENTIONAL ACTIVATED SLUDGE                        * T.PHOS:    5.30      310.09  * T.PHOS:  0.75       43.88 *  12         1
PHOSPHORUS REMOVAL-CONTINUOUS                        *                            *
                                                     *
                                                     *             WATERCOURSE: GRAND RIVER
                                                     *


    BRANTFORD (AIRPORT)                              *                                      NO 1985 DISCHARGE
                   120004798
    TOWNSHIP                        65               * B O D:   0.00              * B O D:  0.00                *
AIRPORT WPCP (DISCHARGE TO A TILE FIELD)             *                            *                            *
      CAPACITY (MIGD):   (    .050)         (         ) *  S S :   0.00              *  S S :  0.00                *
      1000 CUBIC METRES:      .227                     *                            *                            *
COMMUNAL SEPTIC TANK                                 * T.PHOS:    0.00              * T.PHOS:  0.00                *
                                                     *                            *
                                                     *
                                                     *             WATERCOURSE: NO DISC.TO SURFACE WATER
                                                     *
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                                              WEST-CENTRAL  -  REGION

                                     1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

****************************************************************** I N F L U E N T ************* E F F L U E N T ****** COMPLIANCE ***
*                                                      *                               *                           *                 *
*  MUNICIPALITY   / WORKSNUMBER  POP.   AVG DAY FLOW *          ANNUAL AVERAGE      *         ANNUAL AVERAGE    * MONTHS          *
*  EXISTING CAPACITY              SERVED     (MIGD)    *                               *                           *   OF   * MONTHS *
*  AND TREATMENT                          1000 CUBIC   *          CONC.     LOADING     *          CONC.    LOADING *EFFLUENT*EXCEEDED*
*                                          METRES      *          (MG/L)    KG/DAY      *          (MG/L)   KG/DAY  *  DATA  *        *
**************************************************************************************************************************************


    BRANTFORD (CAINSVILLE)
                        120004716
    TOWNSHIP                        65                 *  B O D:    0.00         0.00  *  B O D:   0.00        0.00 *
CAINSVILLE LAGOON (SERVES INDUSTRY)                    *                               *                           *
      CAPACITY (MIGD):    (    .037)        (   1.058 ) *   S S :    0.00         0.00  *   S S :   0.00        0.00 *
      1000 CUBIC METRES:      .168               4.811  *                               *                           *
CONVENTIONAL  LAGOON  SEASONAL                         * T.PHOS:    0.00         0.00  * T.PHOS:   0.00        0.00 *
PHOSPHORUS  REMOVAL-CONTINUOUS                         *                               *
                                                       *
                                                       *                 WATERCOURSE: FAIRCHILD CREEK
                                                       *



    CAMBRIDGE (GALT)            *MIN*
                        110000276
    CITY                         44966                 *  B O D:  161.00     5,151.52  *  B O D:  11.30      361.57 *   12
GALT  WPCP                                             *                               *                           *
      CAPACITY (MIGD):    (  8.500)         (   7.039 ) *   S S :  168.00     5,375.50  *   S S :  11.60      371.17 *   12
      1000 CUBIC METRES:   38.641               31.997  *                               *                           *
CONVENTIONAL  ACTIVATED  SLUDGE                        * T.PHOS:    6.90       220.78  * T.PHOS:   0.79       25.28 *   12
PHOSPHORUS  REMOVAL-CONTINUOUS                         *                               *
                                                       *
                                                       *                 WATERCOURSE: GRAND RIVER
                                                       *



    CAMBRIDGE (HESPELER)        *MIN*
                        110001033
    CITY                         10110                 *  B O D:   95.00       523.93  *  B O D:  28.30      156.07 *   12        7
HESPELER  WPCP                                         *                               *                           *
      CAPACITY (MIGD):    (  2.050)         (   1.213 ) *   S S :  114.00       628.71  *   S S :  30.90      170.41 *   12        7
      1000 CUBIC METRES:     9.319               5.515  *                               *                           *
HIGH  RATE                                             * T.PHOS:    5.50        30.33  * T.PHOS:   1.26        6.95 *   12        7
PHOSPHORUS  REMOVAL-CONTINUOUS                         *                               *
                                                       *
                                                       *                 WATERCOURSE: SPEED RIVER
                                                       *
                                                       *            REMEDIAL MEASURE: EXPANSION/UPGRADING
```

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************************************************************* I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                          *                              *                             *                     *
*  MUNICIPALITY   / WORKSNUMBER   POP.   AVG DAY FLOW *         ANNUAL AVERAGE      *         ANNUAL AVERAGE    * MONTHS              *
*  EXISTING CAPACITY               SERVED     (MIGD)   *                              *                             *   OF    * MONTHS *
*  AND TREATMENT                            1000 CUBIC  *        CONC.      LOADING     *        CONC.     LOADING *EFFLUENT*EXCEEDED*
*                                            METRES    *        (MG/L)     KG/DAY      *        (MG/L)    KG/DAY  *  DATA  *         *
****************************************************************************************************************************************


    CAMBRIDGE (PRESTON)        *MIN*
                   110000622
    CITY                        19673               * B O D: 730.00    6,153.17  * B O D: 17.50     147.51 *   12        3
PRESTON WPCP                                        *                            *                         *
      CAPACITY (MIGD):   ( 3.710)          (  1.854 ) *  S S : 842.00    7,097.22  *   S S : 17.10     144.14 *   12        2
      1000 CUBIC METRES:   16.866             8.429  *                            *                         *
CONVENTIONAL ACTIVATED SLUDGE                       * T.PHOS:    6.60       55.63  * T.PHOS:   0.76       6.41 *   12        2
PHOSPHORUS REMOVAL-CONTINUOUS                       *                            *
                                                    *
                                                    *                 WATERCOURSE: GRAND RIVER
                                                    *


    DELHI                      *MIN*
                   120001425
    TOWNSHIP                     3839               * B O D: 153.00      301.72  * B O D:  8.60      16.96 *   11
DELHI WPCP                                          *                            *                         *
      CAPACITY (MIGD):   (  .700)          (   .434 ) *  S S : 154.00      303.69  *   S S :  8.30      16.37 *   12
      1000 CUBIC METRES:    3.182             1.972  *                            *                         *
CONVENTIONAL ACTIVATED SLUDGE                       * T.PHOS:    6.70       13.21  * T.PHOS:   0.21       0.41 *   11
PHOSPHORUS REMOVAL-CONTINUOUS                       *                            *
                                                    *
                                                    *                 WATERCOURSE: BIG CREEK
                                                    *


    DUNDAS                **
                   120001372
    TOWN                        19501               * B O D: 115.00    1,536.75  * B O D:  6.50      86.86 *   12
DUNDAS KING ST.WPCP                                 *                            *                         *
      CAPACITY (MIGD):   ( 4.000)          (  2.940 ) *  S S : 145.00    1,937.64  *   S S :  8.70     116.26 *   12        1
      1000 CUBIC METRES:   18.184            13.363  *                            *                         *
CONVENTIONAL ACTIVATED SLUDGE                       * T.PHOS:    5.80       77.51  * T.PHOS:   0.76      10.16 *   12        3
PHOSPHORUS REMOVAL-CONTINUOUS                       *                            *
EFFLUENT POLISHING                                  *
                                                    *                 WATERCOURSE: COOTES PARADISE
                                                    *
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                                                 WEST-CENTRAL  -  REGION

                                        1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

**************************************************************** I N F L U E N T ************* E F F L U E N T ****** COMPLIANCE ***
*                                                     *                              *                           *                 *
*  MUNICIPALITY   / WORKSNUMBER   POP.   AVG DAY FLOW *          ANNUAL AVERAGE      *          ANNUAL AVERAGE   * MONTHS          *
*  EXISTING CAPACITY              SERVED    (MIGD)    *                              *                           *   OF    * MONTHS *
*  AND TREATMENT                           1000 CUBIC *          CONC.     LOADING   *          CONC.   LOADING *EFFLUENT*EXCEEDED*
*                                          METRES     *          (MG/L)    KG/DAY    *          (MG/L)  KG/DAY  *  DATA  *         *
************************************************************************************************************************************


    DUNNVILLE                  *MIN*
                   120001443
    TOWN                     5471             * B O D: 195.00      960.96  * B O D: 11.80      58.15 *  12        1
DUNNVILLE WPCP                                *                            *                          *
      CAPACITY (MIGD):   (  1.700)       (  1.084 ) *  S S : 202.00      995.46  *  S S :  8.40      41.40 *  12
      1000 CUBIC METRES:    7.728              4.928   *                            *                          *
CONVENTIONAL ACTIVATED SLUDGE                 * T.PHOS:    3.70       18.23  * T.PHOS:  0.61       3.01 *  12
PHOSPHORUS REMOVAL-CONTINUOUS                 *                            *
                                              *
                                              *                WATERCOURSE: GRAND RIVER
                                              *



    DUNNVILLE (OSWEGO PARK)    *MIN*
                   110003068
    TOWN                      250             * B O D: 212.00       33.92  * B O D: 10.40       1.66 *   2
OSWEGO PARK LAGOON                            *                            *                          *
      CAPACITY (MIGD):   (   .020)       (    .035 ) *  S S : 259.00       41.44  *  S S : 26.70       4.27 *   2
      1000 CUBIC METRES:     .091               .160   *                            *                          *
CONVENTIONAL LAGOON ANNUAL                    * T.PHOS:   11.00        1.76  * T.PHOS:  2.80       0.45 *   2
                                              *                            *
                                              *
                                              *                WATERCOURSE: OSWEGO   CREEK
                                              *



    ELORA
                   110000178
    VILLAGE                  2800             * B O D: 125.00      171.13  * B O D:  2.50       3.42 *   9
ELORA WPCP                                    *                            *                          *
      CAPACITY (MIGD):   (   .674)       (    .301 ) *  S S : 133.00      182.08  *  S S :  4.80       6.57 *  12
      1000 CUBIC METRES:    3.064              1.369   *                            *                          *
EXTENDED AERATION                             * T.PHOS:    6.30        8.62  * T.PHOS:  0.40       0.55 *  12
PHOSPHORUS REMOVAL-CONTINUOUS                 *                            *
                                              *
                                              *                WATERCOURSE: GRAND RIVER
                                              *
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                                       WEST-CENTRAL  -  REGION

                              1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

*************************************************************** I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                           *                               *                               *                    *
*  MUNICIPALITY   / WORKSNUMBER   POP.   AVG DAY FLOW *          ANNUAL  AVERAGE          *          ANNUAL  AVERAGE          * MONTHS            *
*  EXISTING CAPACITY              SERVED     (MIGD)   *                                    *                                   *   OF    * MONTHS *
*  AND TREATMENT                           1000 CUBIC *          CONC.      LOADING        *          CONC.      LOADING      *EFFLUENT*EXCEEDED*
*                                            METRES   *          (MG/L)     KG/DAY         *          (MG/L)     KG/DAY       *  DATA  *        *
*************************************************************************************************************************************************


    FERGUS                      *MIN*
                        110000249
    TOWN                          6050                * B O D:  120.00       465.96  * B O D:  10.10       39.22 *   12
FERGUS WPCP                                           *                              *                             *
      CAPACITY (MIGD):   (  1.100)         (     .854 ) *   S S :  132.00       512.56  *   S S :  24.50       95.13 *   12         5
      1000 CUBIC METRES:    5.001               3.883 *                              *                             *
CONVENTIONAL ACTIVATED SLUDGE                         * T.PHOS:     4.80        18.64  * T.PHOS:   0.55        2.14 *   12
PHOSPHORUS REMOVAL-CONTINUOUS                         *                              *
                                                      *
                                                      *                WATERCOURSE: GRAND RIVER
                                                      *



    FLAMBOROUGH (WATERDOWN**
                        120005001
    TOWN                          3900                * B O D:  100.00       222.10  * B O D:   4.00        8.88 *   12
WATERDOWN WPCP                                        *                              *                             *
      CAPACITY (MIGD):   (   .600)         (     .489 ) *   S S :  134.00       297.61  *   S S :   0.90        2.00 *   12
      1000 CUBIC METRES:    2.728               2.221 *                              *                             *
CONVENTIONAL ACTIVATED SLUDGE                         * T.PHOS:     5.20        11.55  * T.PHOS:   0.42        0.93 *   12
PHOSPHORUS REMOVAL-CONTINUOUS                         *                              *
EFFLUENT POLISHING                                    *
                                                      *                WATERCOURSE: GRINDSTONE CREEK
                                                      *



    FORT ERIE (ANGER AVE.)
                        120001292
    TOWN                         13765                * B O D:  111.00     1,438.01  * B O D:  34.80      450.83 *   12         3
ANGER AVE.WPCP                                        *                              *                             *
      CAPACITY (MIGD):   (  3.600)         (    2.850 ) *   S S :   87.00     1,127.09  *   S S :  28.10      364.04 *   12         8
      1000 CUBIC METRES:   16.366              12.955 *                              *                             *
PRIMARY                                               * T.PHOS:     3.50        45.34  * T.PHOS:   0.75        9.72 *   12         2
PHOSPHORUS REMOVAL-CONTINUOUS                         *                              *
                                                      *
                                                      *                WATERCOURSE: NIAGARA RIVER
                                                      *
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                                1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

***************************************************************** I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                      *                              *                          *                 *
*  MUNICIPALITY   / WORKSNUMBER  POP.   AVG DAY FLOW  *         ANNUAL  AVERAGE      *         ANNUAL  AVERAGE  * MONTHS          *
*  EXISTING CAPACITY             SERVED    (MIGD)     *                              *                          *   OF    * MONTHS *
*  AND TREATMENT                         1000 CUBIC   *         CONC.    LOADING     *         CONC.   LOADING *EFFLUENT*EXCEEDED*
*                                        METRES       *         (MG/L)   KG/DAY      *         (MG/L)  KG/DAY  *  DATA  *         *
************************************************************************************************************************************


    FORT ERIE(CRYSTAL BEACH)
                   120001283
    TOWN                         4095                 *  B O D:   59.00       280.13  *  B O D:  21.70     103.03 *   12        4
CRYSTAL BEACH WPCP                                    *                              *                          *
      CAPACITY (MIGD):   (   .855)       (   1.045 )  *   S S :   78.00       370.34  *   S S :  30.30     143.86 *   11        7
      1000 CUBIC METRES:    3.887            4.748    *                              *                          *
EXTENDED AERATION                                     * T.PHOS:    2.20        10.45  * T.PHOS:   1.06       5.03 *   12        6
PHOSPHORUS REMOVAL-CONTINUOUS                         *                              *
                                                      *
                                                      *              WATERCOURSE: LAKE ERIE
                                                      *
                                                      *         REMEDIAL MEASURE: EXPANSION/UPGRADING



    FORT ERIE(STEVENSVILLE)
                   120003110
    TOWN                         1500                 *  B O D:   85.00        39.02  *  B O D:   8.80       4.04 *   12
STEVENSVILLE-DOUGLASTOWN LAGOON                       *                              *                          *
      CAPACITY (MIGD):   (   .504)       (    .101 )  *   S S :  103.00        47.28  *   S S :  14.40       6.61 *   12
      1000 CUBIC METRES:    2.291             .459    *                              *                          *
CONVENTIONAL LAGOON CONTINUOUS                        * T.PHOS:    5.00         2.30  * T.PHOS:   0.72       0.33 *   11
                                                      *                              *
                                                      *
                                                      *              WATERCOURSE: NIAGARA RIVER
                                                      *



    GRAND VALLEY              *MIN*
                   110000301
    VILLAGE                      1020                 *  B O D:  144.00        48.24  *  B O D:   3.10       1.04 *   11
GRAND VALLEY WPCP                                     *                              *                          *
      CAPACITY (MIGD):   (   .132)       (    .074 )  *   S S :  165.00        55.28  *   S S :  11.20       3.75 *   12        1
      1000 CUBIC METRES:     .600             .335    *                              *                          *
OXIDATION DITCH                                       * T.PHOS:    8.30         2.78  * T.PHOS:   0.44       0.15 *   12
PHOSPHORUS REMOVAL-CONTINUOUS                         *                              *
                                                      *
                                                      *              WATERCOURSE: GRAND RIVER
                                                      *
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                                        WEST-CENTRAL  -  REGION

                              1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

*************************************************************** I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                 *                             *                             *                   *
*  MUNICIPALITY   / WORKSNUMBER   POP.   AVG DAY FLOW *          ANNUAL AVERAGE          *        ANNUAL AVERAGE      * MONTHS           *
*  EXISTING CAPACITY              SERVED    (MIGD)    *                                  *                            *   OF   * MONTHS *
*  AND TREATMENT                          1000 CUBIC  *          CONC.     LOADING       *        CONC.     LOADING  *EFFLUENT*EXCEEDED*
*                                          METRES     *          (MG/L)    KG/DAY        *        (MG/L)    KG/DAY   *  DATA  *         *
***********************************************************************************************************************************


   GRIMSBY (BAKER ROAD)
                    120001684
   TOWN                          19850                * B O D:  115.00    1,377.36  * B O D:  11.70     140.13 *   12        1
BAKER ROAD WPCP                                       *                             *                            *
      CAPACITY (MIGD):   (  4.000)        (  2.635 ) *  S S :  140.00    1,676.78  *  S S :   7.10      85.04 *   12
      1000 CUBIC METRES:   18.184            11.977  *                             *                            *
CONVENTIONAL ACTIVATED SLUDGE                        * T.PHOS:    5.40       64.68  * T.PHOS:   0.59       7.07 *   12
PHOSPHORUS REMOVAL-CONTINUOUS                        *                             *
                                                     *
                                                     *               WATERCOURSE: LAKE ONTARIO
                                                     *



   GRIMSBY (BIGGAR)
                    120001256
   TOWN                           1075                * B O D:  471.00      642.92  * B O D:  22.00      30.03 *   12        2
BIGGAR LAGOON                                         *                             *                            *
      CAPACITY (MIGD):   (   .250)        (   .300 ) *  S S :  187.00      255.26  *  S S :  26.40      36.04 *   12        2
      1000 CUBIC METRES:    1.137             1.365  *                             *                            *
AERATED CELL PLUS LAGOON                             * T.PHOS:    5.30        7.23  * T.PHOS:   2.32       3.17 *   11
                                                     *                             *
                                                     *
                                                     *               WATERCOURSE: LAKE ONTARIO
                                                     *



   GUELPH             **
                    120003094
   CITY                          76600                * B O D:  180.00    8,590.32  * B O D:   7.50     357.93 *   12
GUELPH WPCP                                           *                             *                            *
      CAPACITY (MIGD):   ( 12.000)        ( 10.499 ) *  S S :  245.00   11,692.38  *  S S :   7.70     367.47 *   12
      1000 CUBIC METRES:   54.552            47.724  *                             *                            *
CONVENTIONAL ACTIVATED SLUDGE                        * T.PHOS:    6.20      295.89  * T.PHOS:   0.82      39.13 *   12        2
PHOSPHORUS REMOVAL-CONTINUOUS                        *                             *
EFFLUENT POLISHING                                   *
                                                     *               WATERCOURSE: SPEED  RIVER
                                                     *
                                                     *           REMEDIAL MEASURE: EXPANSION/UPGRADING
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                                                 WEST-CENTRAL  -  REGION

                                        1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

**************************************************************** I N F L U E N T ************* E F F L U E N T ****** COMPLIANCE ***
*                                                     *                              *                          *                 *
*  MUNICIPALITY   / WORKSNUMBER   POP.   AVG DAY FLOW *           ANNUAL AVERAGE     *         ANNUAL AVERAGE   * MONTHS          *
*  EXISTING CAPACITY              SERVED    (MIGD)    *                              *                          *   OF   * MONTHS *
*  AND TREATMENT                          1000 CUBIC  *           CONC.    LOADING   *         CONC.    LOADING *EFFLUENT*EXCEEDED*
*                                         METRES      *          (MG/L)    KG/DAY    *         (MG/L)   KG/DAY  *  DATA  *        *
***********************************************************************************************************************************


    HALDIMAND (CALEDONIA)      *MIN*
                       120001452
      TOWN                          4237              *  B O D:  148.00      360.53  *  B O D:  13.10     31.91 *   12
CALEDONIA WPCP                                        *                              *                          *
      CAPACITY (MIGD):   (   .500)        (    .536 ) *   S S :  259.80      632.87  *   S S :  20.20     49.21 *   12        3
      1000 CUBIC METRES:    2.273             2.436   *                              *                          *
CONVENTIONAL ACTIVATED SLUDGE                         * T.PHOS:    6.10       14.86  * T.PHOS:   1.00      2.44 *   11        3
PHOSPHORUS REMOVAL-CONTINUOUS                         *                              *
                                                      *
                                                      *                   WATERCOURSE: GRAND RIVER
                                                      *
                                                      *              REMEDIAL MEASURE: EXPANSION/UPGRADING


    HALDIMAND (CAYUGA)         *MIN*
                       110000089
      TOWN                          1049              *  B O D:  105.00       69.72  *  B O D:   2.40      1.59 *   12
CAYUGA WPCP                                           *                              *                          *
      CAPACITY (MIGD):   (   .200)        (    .146 ) *   S S :  124.00       82.34  *   S S :   5.90      3.92 *   12
      1000 CUBIC METRES:     .909              .664   *                              *                          *
OXIDATION DITCH                                       * T.PHOS:    6.10        4.05  * T.PHOS:   0.38      0.25 *   10        1
PHOSPHORUS REMOVAL-CONTINUOUS                         *                              *
                                                      *
                                                      *                   WATERCOURSE: GRAND RIVER
                                                      *


    HALDIMAND (HAGERSVILLE)    *MIN*
                       110001024
      TOWN                          2362              *  B O D:  145.00      217.94  *  B O D:   6.60      9.92 *   12
HAGERSVILLE WPCP                                      *                              *                          *
      CAPACITY (MIGD):   (   .220)        (    .331 ) *   S S :  153.00      229.96  *   S S :  11.00     16.53 *   12
      1000 CUBIC METRES:    1.000             1.503   *                              *                          *
EXTENDED AERATION                                     * T.PHOS:    6.90       10.37  * T.PHOS:   0.64      0.96 *   12        1
PHOSPHORUS REMOVAL-CONTINUOUS                         *                              *
                                                      *
                                                      *                   WATERCOURSE: SANDUSK CREEK
                                                      *
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*********************************************************** I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                         *                              *                              *                *
* MUNICIPALITY   / WORKSNUMBER   POP.    AVG DAY FLOW *          ANNUAL AVERAGE          *          ANNUAL AVERAGE     * MONTHS         *
* EXISTING CAPACITY              SERVED     (MIGD)     *                              *                              *   OF   * MONTHS *
* AND TREATMENT                           1000 CUBIC   *          CONC.      LOADING   *          CONC.      LOADING *EFFLUENT*EXCEEDED*
*                                          METRES      *          (MG/L)     KG/DAY    *          (MG/L)     KG/DAY  *  DATA  *        *
*******************************************************************************************************************************************


    HAMILTON (WOODWARD)
                    120001504
    CITY                     300000                  * B O D:  156.00   48,088.09  * B O D:  23.30    7,182.39 *   12        5
WOODWARD AVE.WPCP (P.REM WITHOUT CHEM)               *                             *                           *
      CAPACITY (MIGD):   ( 90.000)        ( 67.817 ) *  S S :  302.00   93,093.61  *  S S :  19.60    6,041.84 *   12        3
      1000 CUBIC METRES:  409.140           308.257  *                             *                           *
CONVENTIONAL ACTIVATED SLUDGE                        * T.PHOS:   6.60    2,034.50  * T.PHOS:   1.31     403.82 *   12        9
                                                     *                             *
                                                     *
                                                     *             WATERCOURSE: REDHILL CREEK
                                                     *
                                                     *        REMEDIAL MEASURE: MAINENANCE/OPERATION UPGRADING


    HARRISTON              *MIN*
                    110000329
    TOWN                       1963                  * B O D:  215.00      340.99  * B O D:  29.60       46.95 *    2        1
HARRISTON LAGOON                                     *                             *                           *
      CAPACITY (MIGD):   (    .219)        (    .349 ) *  S S :  407.00      645.50  *  S S :  50.90       80.73 *    2        1
      1000 CUBIC METRES:      .996            1.586  *                             *                           *
CONVENTIONAL LAGOON SEASONAL                         * T.PHOS:  22.00       34.89  * T.PHOS:   6.25        9.91 *    2
                                                     *                             *
                                                     *
                                                     *             WATERCOURSE: MAITLAND RIVER
                                                     *
                                                     *        REMEDIAL MEASURE: EXPANSION/UPGRADING


    KITCHENER              *MIN*
                    110000374
    CITY                     138271                  * B O D:  226.00   14,568.41  * B O D:   7.40      477.02 *   12
KITCHENER WPCP                                       *                             *                           *
      CAPACITY (MIGD):   ( 27.000)        ( 14.182 ) *  S S :  216.00   13,923.79  *  S S :   5.10      328.76 *   12
      1000 CUBIC METRES:  122.742            64.462  *                             *                           *
CONVENTIONAL ACTIVATED SLUDGE                        * T.PHOS:   6.90      444.79  * T.PHOS:   0.75       48.35 *   12
PHOSPHORUS REMOVAL-CONTINUOUS                        *                             *
                                                     *
                                                     *             WATERCOURSE: GRAND RIVER
                                                     *
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WEST-CENTRAL - REGION

1985 DATA - MUNICIPAL WASTEWATER TREATMENT FACILITIES

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**************************************************************** I N F L U E N T ************* E F F L U E N T ****** COMPLIANCE ***
*                                                      *                              *                          *                 *
*  MUNICIPALITY   / WORKSNUMBER   POP.    AVG DAY FLOW *          ANNUAL AVERAGE      *         ANNUAL AVERAGE   * MONTHS          *
*  EXISTING CAPACITY              SERVED    (MIGD)     *                              *                          *   OF   * MONTHS *
*  AND TREATMENT                          1000 CUBIC   *          CONC.    LOADING    *         CONC.    LOADING *EFFLUENT*EXCEEDED*
*                                         METRES       *         (MG/L)    KG/DAY     *         (MG/L)   KG/DAY  *  DATA  *        *
************************************************************************************************************************************


    MOUNT FOREST
                       120001381
    TOWN                            3200               *  B O D: 123.00      200.86   *  B O D:   5.70      9.31 *    9
MOUNT FOREST WPCP                                      *                              *                          *
      CAPACITY (MIGD):   (   .540)         (    .359 ) *   S S : 111.00      181.26   *   S S :  16.20     26.45 *    2
      1000 CUBIC METRES:    2.455             1.633    *                              *                          *
CONVENTIONAL ACTIVATED SLUDGE                          * T.PHOS:   7.20       11.76   * T.PHOS:   1.21      1.98 *    5        1
PHOSPHORUS REMOVAL-CONTINUOUS                          *                              *
                                                       *
                                                       *                  WATERCOURSE: SAUGEEN RIVER
                                                       *



    NANTICOKE (JARVIS)         *MIN*
                       120001434
    CITY                            1190               *  B O D: 105.00       92.19   *  B O D:  27.00     23.71 *    1        1
JARVIS LAGOON                                          *                              *                          *
      CAPACITY (MIGD):   (   .120)         (    .193 ) *   S S : 128.00      112.38   *   S S :  36.80     32.31 *    1        1
      1000 CUBIC METRES:     .546              .878    *                              *                          *
CONVENTIONAL LAGOON SEASONAL                           * T.PHOS:   6.60        5.79   * T.PHOS:   0.98      0.86 *    1
PHOSPHORUS REMOVAL - BATCH                             *                              *
                                                       *
                                                       *                  WATERCOURSE: SANDUSK CREEK
                                                       *



    NANTICOKE (PORT DOVER)     *MIN*
                       110000604
    CITY                            3475               *  B O D: 162.00      518.08   *  B O D:  31.60    101.06 *   11        1
PORT DOVER WPCP                                        *                              *                          *
      CAPACITY (MIGD):   (   .900)         (    .704 ) *   S S : 249.00      796.30   *   S S :  20.30     64.92 *   12        1
      1000 CUBIC METRES:    4.091             3.198    *                              *                          *
PRIMARY                                                * T.PHOS:   5.50       17.59   * T.PHOS:   0.45      1.44 *   12
PHOSPHORUS REMOVAL-CONTINUOUS                          *                              *
                                                       *
                                                       *                  WATERCOURSE: LAKE ERIE
                                                       *
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***************************************************************** I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                    *                              *                              *                 *
*  MUNICIPALITY   / WORKSNUMBER   POP.    AVG DAY FLOW *        ANNUAL  AVERAGE      *        ANNUAL  AVERAGE      * MONTHS          *
*  EXISTING CAPACITY              SERVED     (MIGD)    *                              *                              *   OF   * MONTHS *
*  AND TREATMENT                           1000 CUBIC  *        CONC.    LOADING     *        CONC.    LOADING     *EFFLUENT*EXCEEDED*
*                                           METRES     *        (MG/L)   KG/DAY      *        (MG/L)   KG/DAY      *  DATA  *        *
*****************************************************************************************************************************************


    NANTICOKE (STELCO IND.P)    *MIN*
                   110003371
    CITY                          0                  * B O D:   13.00        3.07  * B O D:   2.10        0.50 *    1
STELCO IND. PARK LAGOON                              *                             *                           *
      CAPACITY (MIGD):    (    .010)       (     .052 ) *  S S :   34.00        8.02  *  S S :  36.10        8.52 *    1
      1000 CUBIC METRES:       .045              .236  *                             *                           *
CONVENTIONAL LAGOON SEASONAL                         * T.PHOS:    3.10        0.73  * T.PHOS:   0.36        0.08 *    1
PHOSPHORUS REMOVAL-CONTINUOUS                        *                             *
                                                     *
                                                     *             WATERCOURSE: CENTER CR
                                                     *



    NANTICOKE (TOWNSEND)        *MIN*                *                                      NO 1985 DISCHARGE
                   110003424
    CITY                        200                  * B O D:    0.00        0.00  * B O D:   0.00        0.00 *
TOWNSEND LAGOON (NO DISCH.'85)                       *                             *                           *
      CAPACITY (MIGD):    (    .210)       (     .000 ) *  S S :    0.00        0.00  *  S S :   0.00        0.00 *
      1000 CUBIC METRES:       .955              .000  *                             *                           *
CONVENTIONAL LAGOON SEASONAL                         * T.PHOS:    0.00        0.00  * T.PHOS:   0.00        0.00 *
PHOSPHORUS REMOVAL - BATCH                           *                             *
                                                     *
                                                     *             WATERCOURSE: NANTICOKE  CREEK
                                                     *



    NANTICOKE (WATERFORD)       *MIN*
                   110001195
    CITY                       2364                  * B O D:   90.00       84.42  * B O D:  17.40       16.32 *   11        1
WATERFORD LAGOON                                     *                             *                           *
      CAPACITY (MIGD):    (    .470)       (     .206 ) *  S S :   79.00       74.10  *  S S :  23.70       22.23 *   11        2
      1000 CUBIC METRES:     2.137               .938  *                             *                           *
AERATED CELL PLUS LAGOON                             * T.PHOS:    4.80        4.50  * T.PHOS:   0.90        0.84 *    9        3
PHOSPHORUS REMOVAL-CONTINUOUS                        *                             *
                                                     *
                                                     *             WATERCOURSE: NANTICOKE CREEK
                                                     *
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WEST-CENTRAL - REGION

1985 DATA - MUNICIPAL WASTEWATER TREATMENT FACILITIES

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***************************************************************** I N F L U E N T ************* E F F L U E N T ****** COMPLIANCE ***
*                                                      *                               *                           *                 *
*  MUNICIPALITY   / WORKSNUMBER    POP.   AVG DAY FLOW *           ANNUAL AVERAGE      *         ANNUAL AVERAGE    * MONTHS          *
*  EXISTING CAPACITY               SERVED    (MIGD)    *                               *                           *   OF   * MONTHS *
*  AND TREATMENT                           1000 CUBIC  *           CONC.     LOADING   *         CONC.     LOADING *EFFLUENT*EXCEEDED*
*                                          METRES      *          (MG/L)    KG/DAY     *         (MG/L)    KG/DAY  *  DATA  *        *
**************************************************************************************************************************************


    NIAGARA FALLS (STAMFORD)
                       120001363
    CITY                            67835              *  B O D:    89.00    5,078.25  *  B O D: 31.30    1,785.95 *  12        1
STAMFORD WPCP                                          *                               *                           *
      CAPACITY (MIGD):    ( 12.800)        (  12.553 ) *   S S :    99.00    5,648.84  *   S S : 23.70    1,352.30 *  12        2
      1000 CUBIC METRES:    58.189            57.059   *                               *                           *
PRIMARY                                                * T.PHOS:     3.10      176.88  * T.PHOS:  0.45       25.68 *  12
PHOSPHORUS REMOVAL-CONTINUOUS                          *                               *
                                                       *
                                                       *                   WATERCOURSE: CHIPPAWA POWER CANAL
                                                       *



    NIAGARA-ON-THE-LAKE(GAR)
                       120003236
    TOWN                              150              *  B O D:    57.00        1.43  *  B O D:  0.00        0.00 *
GARDEN CITY RACEWAY LAGOON                             *                               *                           *
      CAPACITY (MIGD):    (   .140)        (    .006 ) *   S S :   222.00        5.55  *   S S :  0.00        0.00 *
      1000 CUBIC METRES:      .636              .025   *                               *                           *
CONVENTIONAL LAGOON SEASONAL                           * T.PHOS:     4.30        0.11  * T.PHOS:  0.00        0.00 *
                                                       *                               *
                                                       *
                                                       *                   WATERCOURSE: DITCH TO SIX MILE CREEK
                                                       *



    NIAGARA-ON-THE-LAKE(NIA)
                       120001238
    TOWN                             5210              *  B O D:   200.00      704.20  *  B O D: 10.50       36.97 *  12
NIAGARA-ON-THE-LAKE  LAGOON                            *                               *                           *
      CAPACITY (MIGD):    (   .845)        (    .775 ) *   S S :   127.00      447.17  *   S S : 11.90       41.90 *  12
      1000 CUBIC METRES:     3.841             3.521   *                               *                           *
AERATED CELL PLUS LAGOON                               * T.PHOS:     4.60       16.20  * T.PHOS:  3.31       11.65 *  12
                                                       *                               *
                                                       *
                                                       *                   WATERCOURSE: LAKE ONTARIO
                                                       *
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*************************************************************** I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                    *                              *                           *                  *
*  MUNICIPALITY   / WORKSNUMBER   POP.    AVG DAY FLOW *        ANNUAL AVERAGE        *      ANNUAL AVERAGE       * MONTHS           *
*  EXISTING CAPACITY              SERVED     (MIGD)    *                              *                           *   OF    * MONTHS *
*  AND TREATMENT                           1000 CUBIC  *        CONC.     LOADING     *      CONC.     LOADING    *EFFLUENT*EXCEEDED*
*                                           METRES     *       (MG/L)     KG/DAY      *     (MG/L)     KG/DAY     *  DATA  *        *
************************************************************************************************************************************


    NORFOLK (PORT ROWAN)       *MIN*
                   110001113
    TOWNSHIP                        720             * B O D:     0.00         0.00 * B O D:   3.50        0.10 *    1
PORT ROWAN LAGOON                                   *                              *                           *
      CAPACITY (MIGD):   (    .160)      (     .006 ) *  S S :     0.00         0.00 *   S S :   9.20        0.27 *    1
      1000 CUBIC METRES:      .727              .029  *                              *                           *
CONVENTIONAL LAGOON SEASONAL                          * T.PHOS:    0.00         0.00 * T.PHOS:   0.59        0.02 *    1
PHOSPHORUS REMOVAL - BATCH                            *                              *
                                                      *
                                                      *                  WATERCOURSE: DEDRICH CREEK
                                                      *


    NORTH DUMFRIES (AYR)       *MIN*
                   110001943
    TOWNSHIP                       1281             * B O D:   153.00        60.44 * B O D:   4.10        1.62 *   12
AYR PV WPCP                                           *                              *                           *
      CAPACITY (MIGD):   (    .260)      (     .087 ) *  S S :   158.00        62.41 *   S S :   7.20        2.84 *   12
      1000 CUBIC METRES:    1.182               .395  *                              *                           *
EXTENDED AERATION                                     * T.PHOS:    8.70         3.44 * T.PHOS:   0.56        0.22 *   12
PHOSPHORUS REMOVAL-CONTINUOUS                         *                              *
                                                      *
                                                      *                  WATERCOURSE: NITH RIVER
                                                      *


    ORANGEVILLE         **     *MIN*
                   110000542
    TOWN                          15300             * B O D:   135.00     1,095.53 * B O D:   2.40       19.48 *   12
ORANGEVILLE WPCP                                      *                              *                           *
      CAPACITY (MIGD):   (   3.200)      (    1.785 ) *  S S :   140.00     1,136.10 *   S S :   3.60       29.21 *   12
      1000 CUBIC METRES:   14.547              8.115  *                              *                           *
CONVENTIONAL ACTIVATED SLUDGE                         * T.PHOS:    6.20        50.31 * T.PHOS:   0.25        2.03 *   12
PHOSPHORUS REMOVAL-CONTINUOUS                         *                              *
EFFLUENT POLISHING                                    *
                                                      *                  WATERCOURSE: CREDIT RIVER
                                                      *
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                                             WEST-CENTRAL  -  REGION

                                     1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

*************************************************************** I N F L U E N T ************* E F F L U E N T ****** COMPLIANCE ***
*                                                     *                             *                          *                 *
*  MUNICIPALITY   / WORKSNUMBER   POP.   AVG DAY FLOW *         ANNUAL  AVERAGE     *       ANNUAL  AVERAGE    * MONTHS          *
*  EXISTING CAPACITY              SERVED     (MIGD)   *                             *                          *   OF    * MONTHS *
*  AND TREATMENT                         1000 CUBIC   *         CONC.    LOADING    *       CONC.    LOADING   *EFFLUENT*EXCEEDED*
*                                        METRES       *        (MG/L)    KG/DAY     *      (MG/L)    KG/DAY    *  DATA  *        *
**********************************************************************************************************************************


    PALMERSTON               *MIN*
                  110001088
    TOWN                       2050                   *  B O D:  173.00      260.02 *  B O D:  76.30     114.68 *   10         8
PALMERSTON WPCP                                       *                             *                          *
      CAPACITY (MIGD):   (   .150)       (      .331 ) *   S S :  213.00      320.14 *   S S :  71.90     108.07 *   10         9
      1000 CUBIC METRES:     .682              1.503   *                             *                          *
CONVENTIONAL ACTIVATED SLUDGE                         * T.PHOS:    7.00       10.52 * T.PHOS:   3.36       5.05 *   10
                                                      *                             *
                                                      *
                                                      *                WATERCOURSE: WALLACE DRAIN
                                                      *
                                                      *           REMEDIAL MEASURE: EXPANSION/UPGRADING


    PARIS                    *MIN*
                  110001097
    TOWN                       4359                   *  B O D:  343.00      867.45 *  B O D:   6.10      15.43 *   12         1
PARIS WPCP                                            *                             *                          *
      CAPACITY (MIGD):   (  1.550)       (      .556 ) *   S S :  222.00      561.44 *   S S :   6.70      16.94 *   12
      1000 CUBIC METRES:    7.046              2.529   *                             *                          *
EXTENDED AERATION                                     * T.PHOS:    8.40       21.24 * T.PHOS:   0.55       1.39 *   12         1
PHOSPHORUS REMOVAL-CONTINUOUS                         *                             *
                                                      *
                                                      *                WATERCOURSE: GRAND RIVER
                                                      *


    PORT COLBORNE (SEAWAY)
                  120001906
    CITY                      15825                   *  B O D:   76.00    1,004.26 *  B O D:  13.00     171.78 *   12
SEAWAY WPCP                                           *                             *                          *
      CAPACITY (MIGD):   (  3.300)       (     2.907 ) *   S S :  259.00    3,422.43 *   S S :  15.70     207.46 *   12         1
      1000 CUBIC METRES:   15.002             13.214   *                             *                          *
CONVENTIONAL ACTIVATED SLUDGE                         * T.PHOS:   10.30      136.10 * T.PHOS:   1.12      14.80 *   12         6
PHOSPHORUS REMOVAL-CONTINUOUS                         *                             *
                                                      *
                                                      *                WATERCOURSE: WELLAND CANAL
                                                      *
                                                      *           REMEDIAL MEASURE: COLLECTION SYSTEM UPGRADING
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                                        WEST-CENTRAL  -  REGION

                               1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

****************************************************************** I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                      *                              *                            *                  *
*  MUNICIPALITY   / WORKSNUMBER   POP.   AVG DAY FLOW  *        ANNUAL AVERAGE        *        ANNUAL AVERAGE      * MONTHS           *
*  EXISTING CAPACITY              SERVED    (MIGD)     *                              *                            *   OF    * MONTHS *
*  AND TREATMENT                          1000 CUBIC   *        CONC.     LOADING     *        CONC.     LOADING   *EFFLUENT*EXCEEDED*
*                                          METRES      *        (MG/L)    KG/DAY      *        (MG/L)    KG/DAY    *  DATA  *         *
*****************************************************************************************************************************************


    PORT COLBORNE (WEST PL.)                           *                                          STANDBY FACILITY
                      120001336
    CITY                              10800            *  B O D:    0.00        0.00  *  B O D:   0.00        0.00 *
WEST PLANT (EXCESS Q FROM SEAWAY ONLY)                 *                              *                            *
      CAPACITY (MIGD):   (  1.350)          (     .000 ) *  S S :   0.00        0.00  *   S S :   0.00        0.00 *
      1000 CUBIC METRES:    6.137                 .000  *                             *                            *
CONVENTIONAL ACTIVATED SLUDGE                          *  T.PHOS:   0.00        0.00  *  T.PHOS:  0.00        0.00 *
PHOSPHORUS REMOVAL-CONTINUOUS                          *                              *
                                                       *
                                                       *                 WATERCOURSE: WELLAND CANAL
                                                       *



    S DUMFRIES(ST GEORGE) **   *MIN*
                      110003415
    TOWNSHIP                            500            *  B O D:   93.00       32.55  *  B O D:   1.10        0.39 *    12
ST GEORGE PV WPCP                                      *                              *                            *
      CAPACITY (MIGD):   (   .234)          (     .077 ) *  S S : 100.00       35.00  *   S S :   2.30        0.81 *    12
      1000 CUBIC METRES:    1.064                 .350  *                             *                            *
EXTENDED AERATION                                      *  T.PHOS:   5.60        1.96  *  T.PHOS:  0.53        0.19 *    12
PHOSPHORUS REMOVAL-CONTINUOUS                          *                              *
EFFLUENT POLISHING                                     *
                                                       *                 WATERCOURSE: FAIRCHILD  CREEK (W. BR)
                                                       *



    SHELBURNE           **   *MIN*
                      110000659
    TOWN                               4000            *  B O D:  132.00      210.01  *  B O D:   3.40        5.41 *    12
SHELBURNE WPCP                                         *                              *                            *
      CAPACITY (MIGD):   (   .450)          (     .350 ) *  S S : 188.00      299.11  *   S S :   6.30       10.02 *    12
      1000 CUBIC METRES:    2.046                1.591  *                             *                            *
OXIDATION DITCH                                        *  T.PHOS:   6.40       10.18  *  T.PHOS:  0.59        0.94 *    12
PHOSPHORUS REMOVAL-CONTINUOUS                          *                              *
EFFLUENT POLISHING                                     *
                                                       *                 WATERCOURSE: BOYNE RIVER
                                                       *
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                                   WEST-CENTRAL  -  REGION

                         1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

**************************************************************** I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                                 *                               *                              *          *
*  MUNICIPALITY   / WORKSNUMBER   POP.   AVG DAY FLOW *          ANNUAL AVERAGE       *          ANNUAL AVERAGE    * MONTHS          *
*  EXISTING CAPACITY              SERVED    (MIGD)    *                               *                            *   OF   * MONTHS *
*  AND TREATMENT                           1000 CUBIC *          CONC.    LOADING     *          CONC.    LOADING  *EFFLUENT*EXCEEDED*
*                                          METRES     *          (MG/L)   KG/DAY      *          (MG/L)   KG/DAY   *  DATA  *        *
**************************************************************************************************************************************


    SIMCOE                  **   *MIN*
                     110000677
    TOWN                     11961                * B O D:  408.00   3,867.84  * B O D:   3.40      32.23 *   12
SIMCOE WPCP                                       *                            *                          *
      CAPACITY (MIGD):   (  3.400)        (  2.086 ) *  S S :  330.00   3,128.40  *  S S :   3.30      31.28 *   12
      1000 CUBIC METRES:   15.456            9.480  *                            *                          *
CONVENTIONAL ACTIVATED SLUDGE                     * T.PHOS:    6.50      61.62  * T.PHOS:   0.71       6.73 *   12
PHOSPHORUS REMOVAL-CONTINUOUS                     *                            *
EFFLUENT POLISHING                                *
                                                  *              WATERCOURSE: LYNN RIVER
                                                  *



    ST.CATHARINES (P.DALH.)
                     120001327
    CITY                     60430                * B O D:  128.00   5,322.88  * B O D:  11.40     474.07 *   12          1
PORT DALHOUSIE WPCP                               *                            *                          *
      CAPACITY (MIGD):   ( 13.500)        (  9.149 ) *  S S :  117.00   4,865.45  *  S S :  10.60     440.80 *   12
      1000 CUBIC METRES:   61.371           41.585  *                            *                          *
CONVENTIONAL ACTIVATED SLUDGE                     * T.PHOS:    3.80     158.02  * T.PHOS:   0.38      15.80 *   12
PHOSPHORUS REMOVAL-CONTINUOUS                     *                            *
                                                  *
                                                  *              WATERCOURSE: LAKE ONTARIO
                                                  *



    ST.CATHARINES (P.WELLER)
                     120001318
    CITY                     75690                * B O D:   95.00   3,995.42  * B O D:  11.90     500.48 *   12
PORT WELLER WPCP                                  *                            *                          *
      CAPACITY (MIGD):   (  8.250)        (  9.253 ) *  S S :  163.00   6,855.29  *  S S :  13.20     555.15 *   12          1
      1000 CUBIC METRES:   37.505           42.057  *                            *                          *
CONVENTIONAL ACTIVATED SLUDGE                     * T.PHOS:    5.20     218.70  * T.PHOS:   0.77      32.38 *   12          2
PHOSPHORUS REMOVAL-CONTINUOUS                     *                            *
                                                  *
                                                  *              WATERCOURSE: PORT WELLER HARBOUR
                                                  *
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                                            WEST-CENTRAL  -  REGION

                                  1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

**************************************************************** I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                              *                              *                              *            *
*  MUNICIPALITY    / WORKSNUMBER    POP.   AVG DAY FLOW *            ANNUAL  AVERAGE          *            ANNUAL  AVERAGE   * MONTHS     *
*  EXISTING CAPACITY                SERVED    (MIGD)    *                                     *                              *   OF   * MONTHS *
*  AND TREATMENT                           1000 CUBIC   *            CONC.      LOADING       *            CONC.    LOADING *EFFLUENT*EXCEEDED*
*                                           METRES      *            (MG/L)     KG/DAY        *            (MG/L)   KG/DAY  *  DATA  *        *
**************************************************************************************************************************************


    STONEY CREEK (BARTLETTS)
                   120003067
    CITY                             170                *  B O D:    0.00         0.00  *  B O D:  19.20        2.78 *   1
BARTLETTS LAGOON PHASED OUT APR.1985                    *                               *                            *
      CAPACITY (MIGD):   (   .020)        (      .032 ) *   S S :    0.00         0.00  *   S S :  18.20        2.64 *   1
      1000 CUBIC METRES:      .091               .145   *                               *                            *
CONVENTIONAL LAGOON SEASONAL                            * T.PHOS:    0.00         0.00  * T.PHOS:   2.55        0.37 *   1
                                                        *                               *
                                                        *
                                                        *                WATERCOURSE: LAKE ONTARIO
                                                        *



    WATERLOO                  *MIN*
                   110000793
    CITY                           66627                *  B O D:  218.00     9,860.14  *  B O D:   6.80      307.56 *  12
WATERLOO WPCP                                           *                               *                            *
      CAPACITY (MIGD):   ( 10.000)        (     9.951 ) *   S S :  402.00    18,182.46  *   S S :   8.90      402.55 *  12
      1000 CUBIC METRES:   45.460              45.230   *                               *                            *
CONVENTIONAL ACTIVATED SLUDGE                           * T.PHOS:    6.40       289.47  * T.PHOS:   0.75       33.92 *  12        1
PHOSPHORUS REMOVAL-CONTINUOUS                           *                               *
                                                        *
                                                        *                WATERCOURSE: GRAND RIVER
                                                        *



    WELLAND
                   120001309
    CITY                           47205                *  B O D:   90.00     3,225.60  *  B O D:  11.50      412.16 *  12
WELLAND WPCP                                            *                               *                            *
      CAPACITY (MIGD):   ( 10.000)        (     7.885 ) *   S S :  111.00     3,978.24  *   S S :  12.00      430.08 *  12        1
      1000 CUBIC METRES:   45.460              35.840   *                               *                            *
CONVENTIONAL ACTIVATED SLUDGE                           * T.PHOS:    4.00       143.36  * T.PHOS:   0.76       27.24 *  12        2
PHOSPHORUS REMOVAL-CONTINUOUS                           *                               *
                                                        *
                                                        *                WATERCOURSE: WELLAND RIVER
                                                        *
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                                                 WEST-CENTRAL  -  REGION

                                        1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT  FACILITIES

**************************************************************** I N F L U E N T ************* E F F L U E N T ****** COMPLIANCE ***
*                                                     *                              *                           *                 *
*  MUNICIPALITY   / WORKSNUMBER   POP.   AVG DAY FLOW *           ANNUAL AVERAGE     *          ANNUAL AVERAGE   * MONTHS          *
*  EXISTING CAPACITY              SERVED    (MIGD)    *                              *                           *   OF   * MONTHS *
*  AND TREATMENT                          1000 CUBIC  *           CONC.    LOADING   *          CONC.    LOADING *EFFLUENT*EXCEEDED*
*                                         METRES      *          (MG/L)   KG/DAY     *          (MG/L)   KG/DAY  *  DATA  *        *
************************************************************************************************************************************


    WELLESLEY                  *MIN*
                       110001578
    TOWNSHIP                         950              *  B O D:  148.00       71.63  *  B O D:   4.70       2.27 *   12
WELLESLEY WPCP                                        *                              *                           *
      CAPACITY (MIGD):    (  .110)        (    .106 ) *   S S :  154.00       74.54  *   S S :  14.30       6.92 *   12
      1000 CUBIC METRES:    .500               .484   *                              *                           *
EXTENDED AERATION                                     * T.PHOS:    5.40        2.61  * T.PHOS:   0.84       0.41 *   12       3
PHOSPHORUS REMOVAL-CONTINUOUS                         *                              *
                                                      *
                                                      *                   WATERCOURSE: NITH RIVER
                                                      *



    WEST LINCOLN (SMITHVILLE
                       120001229
    TOWNSHIP                        1980              *  B O D:   90.00       89.73  *  B O D:  17.40      17.35 *    3
SMITHVILLE LAGOON                                     *                              *                           *
      CAPACITY (MIGD):    (  .344)        (    .219 ) *   S S :  103.00      102.69  *   S S :  31.90      31.80 *    3
      1000 CUBIC METRES:    1.564              .997   *                              *                           *
CONVENTIONAL LAGOON SEASONAL                          * T.PHOS:    5.40        5.38  * T.PHOS:   2.77       2.76 *    3
                                                      *                              *
                                                      *
                                                      *                   WATERCOURSE: TWENTY MILE CREEK
                                                      *



    WILMOT  (BADEN)            *MIN*
                       110001710
    TOWNSHIP                        1016              *  B O D:  285.00      179.27  *  B O D:   3.00       1.89 *   12
BADEN WPCP                                            *                              *                           *
      CAPACITY (MIGD):    (  .203)        (    .138 ) *   S S :  219.00      137.75  *   S S :   6.10       3.84 *   12
      1000 CUBIC METRES:    .923               .629   *                              *                           *
EXTENDED AERATION                                     * T.PHOS:   11.90        7.49  * T.PHOS:   0.90       0.57 *   12       4
PHOSPHORUS REMOVAL-CONTINUOUS                         *                              *
                                                      *
                                                      *                   WATERCOURSE: BADEN CREEK
                                                      *
                                                 WEST-CENTRAL  -  REGION

                                        1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

**************************************************************** I N F L U E N T ************* E F F L U E N T ****** COMPLIANCE ***
*                                                     *                              *                           *                 *
*  MUNICIPALITY   / WORKSNUMBER   POP.   AVG DAY FLOW *           ANNUAL AVERAGE     *          ANNUAL AVERAGE   * MONTHS          *
*  EXISTING CAPACITY              SERVED    (MIGD)    *                              *                           *   OF   * MONTHS *
*  AND TREATMENT                          1000 CUBIC  *           CONC.    LOADING   *          CONC.    LOADING *EFFLUENT*EXCEEDED*
*                                         METRES      *           (MG/L)   KG/DAY    *          (MG/L)   KG/DAY  *  DATA  *        *
************************************************************************************************************************************


    WILMOT (NEW HAMBURG) **  *MIN*
                       110000506
    TOWNSHIP                        3787              *  B O D:  125.00      209.13  *  B O D:   2.60       4.35 *   10
NEW HAMBURG LAGOON                                    *                              *                           *
      CAPACITY (MIGD):     ( .600)        (    .368 ) *   S S :  147.00      245.93  *   S S :   4.80       8.03 *   10
      1000 CUBIC METRES:    2.728             1.673   *                              *                           *
AERATED CELL PLUS LAGOON                              * T.PHOS:    6.80       11.38  * T.PHOS:   0.92       1.54 *   10        2
PHOSPHORUS REMOVAL-CONTINUOUS                         *                              *
EFFLUENT POLISHING                                    *
                                                      *                   WATERCOURSE: NITH RIVER
                                                      *



    WOOLWICH (ELMIRA )         *MIN*
                       110000150
    TOWNSHIP                        7090              *  B O D:    0.00        0.00  *  B O D:  30.80     124.80 *   12        5
ELMIRA WPCP (COMBINED FLOW)                           *                              *                           *
      CAPACITY (MIGD):     ( .680)        (    .891 ) *   S S :    0.00        0.00  *   S S :  45.80     185.58 *   12        6
      1000 CUBIC METRES:    3.091             4.052   *                              *                           *
CONVENTIONAL ACTIVATED SLUDGE                         * T.PHOS:    0.00        0.00  * T.PHOS:   2.34       9.48 *   12       11
PHOSPHORUS REMOVAL-CONTINUOUS                         *                              *
                                                      *
                                                      *                   WATERCOURSE: CANAGAGIGUE CREEK
                                                      *
                                                      *              REMEDIAL MEASURE: EXPANSION/UPGRADING


    WOOLWICH (ST.JACOBS)       *MIN*
                       110001211
    TOWNSHIP                        1266              *  B O D:  167.00      186.54  *  B O D:   6.70       7.48 *   12
ST.JACOBS PV WPCP                                     *                              *                           *
      CAPACITY (MIGD):     ( .210)        (    .246 ) *   S S :  143.00      159.73  *   S S :  25.30      28.26 *   12        5
      1000 CUBIC METRES:     .955             1.117   *                              *                           *
OXIDATION DITCH                                       * T.PHOS:    4.10        4.58  * T.PHOS:   0.70       0.78 *   12        2
PHOSPHORUS REMOVAL-CONTINUOUS                         *                              *
                                                      *
                                                      *                   WATERCOURSE: CONESTOGO RIVER
                                                      *
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WEST CENTRAL REGION

WASTEWATER TREATMENT

REGIONAL MUNICIPALITIES

REGIONAL MUNICIPALITIES	CAPACITY 1000m^3	MIGD
HALDIMAND - NORFOLK	39.1	8.6
HAMILTON - WENTWORTH	430.1	94.6
NIAGARA	271.6	59.7
WATERLOO	242.4	53.3
TOTAL	983.2	216.2

REGIONAL MUNICIPALITY OF HALDIMAND-NORFOLK

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (1000M^3)	POPULATION SERVED	OPERATED BY
DELHI TOWNSHIP DELHI WPCP 120001425	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	BIG CREEK	.700 (3.182)	3839	MINISTRY
DUNNVILLE TOWN DUNNVILLE WPCP 120001443	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	GRAND RIVER	1.700 (7.728)	5471	MINISTRY
DUNNVILLE (OSWEGO PARK) TOWN OSWEGO PARK LAGOON 110003068	CONVENTIONAL LAGOON ANNUAL	OSWEGO CREEK	.020 (.091)	250	MINISTRY
HALDIMAND (CALEDONIA) TOWN CALEDONIA WPCP 120001452	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	GRAND RIVER	.500 (2.273)	4237	MINISTRY
HALDIMAND (CAYUGA) TOWN CAYUGA WPCP 110000089	OXIDATION DITCH PHOSPHORUS REMOVAL-CONTINUOUS	GRAND RIVER	.200 (.909)	1049	MINISTRY
HALDIMAND (HAGERSVILLE) TOWN HAGERSVILLE WPCP 110001024	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS	SANDUSK CREEK	.220 (1.000)	2362	MINISTRY
NANTICOKE (JARVIS) CITY JARVIS LAGOON 120001434	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL - BATCH	SANDUSK CREEK	.120 (.546)	1190	MINISTRY
NANTICOKE (PORT DOVER) CITY PORT DOVER WPCP 110000604	PRIMARY PHOSPHORUS REMOVAL-CONTINUOUS	LAKE ERIE	.900 (4.091)	3475	MINISTRY

REGIONAL MUNICIPALITY OF HALDIMAND-NORFOLK

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD ($(1000M^3)$)	POPULATION SERVED	OPERATED BY
NANTICOKE (STELCO IND.P) CITY STELCO IND. PARK LAGOON 110003371	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL-CONTINUOUS	CENTER CR	.010 (.045)	0	MINISTRY
NANTICOKE (TOWNSEND) CITY TOWNSEND LAGOON (NO DISCH.'85) 110003424	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL - BATCH	NANTICOKE CREEK	.210 (.955)	200	MINISTRY
NANTICOKE (WATERFORD) CITY WATERFORD LAGOON 110001195	AERATED CELL PLUS LAGOON PHOSPHORUS REMOVAL-CONTINUOUS	NANTICOKE CREEK	.470 (2.137)	2364	MINISTRY
NORFOLK (PORT ROWAN) TOWNSHIP PORT ROWAN LAGOON 110001113	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL - BATCH	DEDRICH CREEK	.160 (.727)	720	MINISTRY
SIMCOE ** TOWN SIMCOE WPCP 110000677	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS EFFLUENT POLISHING	LYNN RIVER	3.400 (15.456)	11961	MINISTRY
		TOTAL CAPACITY	8.610 (39.141)		

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (1000M^3)	POPULATION SERVED	OPERATED BY
DUNDAS ** TOWN DUNDAS KING ST.WPCP 120001372	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS EFFLUENT POLISHING	COOTES PARADISE	4.000 (18.184)	19501	MUNICIPALITY
FLAMBOROUGH (WATERDOWN** TOWN WATERDOWN WPCP 120005001	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS EFFLUENT POLISHING	GRINDSTONE CREEK	.600 (2.728)	3900	MUNICIPALITY
HAMILTON (WOODWARD) CITY WOODWARD AVE.WPCP (P.REM WITHOUT CHEM) 120001504	CONVENTIONAL ACTIVATED SLUDGE	REDHILL CREEK	90.000 (409.140)	300000	MUNICIPALITY
STONEY CREEK (BARTLETTS) CITY BARTLETTS LAGOON PHASED OUT APR.1985 120003067	CONVENTIONAL LAGOON SEASONAL	LAKE ONTARIO	.020 (.091)	170	MUNICIPALITY
		TOTAL CAPACITY	94.620 (430.143)		

REGIONAL MUNICIPALITY OF NIAGARA

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (1000M^3)	POPULATION SERVED	OPERATED BY
FORT ERIE (ANGER AVE.) TOWN ANGER AVE.WPCP 120001292	PRIMARY PHOSPHORUS REMOVAL-CONTINUOUS	NIAGARA RIVER	3.600 (16.366)	13765	MUNICIPALITY
FORT ERIE(CRYSTAL BEACH) TOWN CRYSTAL BEACH WPCP 120001283	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS	LAKE ERIE	.855 (3.887)	4095	MUNICIPALITY
FORT ERIE(STEVENSVILLE) TOWN STEVENSVILLE-DOUGLASTOWN LAGOON 120003110	CONVENTIONAL LAGOON CONTINUOUS	NIAGARA RIVER	.504 (2.291)	1500	MUNICIPALITY
GRIMSBY (BAKER ROAD) TOWN BAKER ROAD WPCP 120001684	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	LAKE ONTARIO	4.000 (18.184)	19850	MUNICIPALITY
GRIMSBY (BIGGAR) TOWN BIGGAR LAGOON 120001256	AERATED CELL PLUS LAGOON	LAKE ONTARIO	.250 (1.137)	1075	MUNICIPALITY
NIAGARA FALLS (STAMFORD) CITY STAMFORD WPCP 120001363	PRIMARY PHOSPHORUS REMOVAL-CONTINUOUS	CHIPPAWA POWER CANAL	12.800 (58.189)	67835	MUNICIPALITY
NIAGARA-ON-THE-LAKE(GAR) TOWN GARDEN CITY RACEWAY LAGOON 120003236	CONVENTIONAL LAGOON SEASONAL	DITCH TO SIX MILE CREEK	.140 (.636)	150	MUNICIPALITY
NIAGARA-ON-THE-LAKE(NIA) TOWN NIAGARA-ON-THE-LAKE LAGOON 120001238	AERATED CELL PLUS LAGOON	LAKE ONTARIO	.845 (3.841)	5210	MUNICIPALITY

REGIONAL MUNICIPALITY OF NIAGARA

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (1000M^3)	POPULATION SERVED	OPERATED BY
PORT COLBORNE (SEAWAY) CITY SEAWAY WPCP 120001906	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	WELLAND CANAL	3.300 (15.002)	15825	MUNICIPALITY
PORT COLBORNE (WEST PL.) CITY WEST PLANT (EXCESS Q FROM SEAWAY ONLY) 120001336	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	WELLAND CANAL	1.350 (6.137)	10800	MUNICIPALITY
ST.CATHARINES (P.DALH.) CITY PORT DALHOUSIE WPCP 120001327	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	LAKE ONTARIO	13.500 (61.371)	60430	MUNICIPALITY
ST.CATHARINES (P.WELLER) CITY PORT WELLER WPCP 120001318	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	PORT WELLER HARBOUR	8.250 (37.505)	75690	MUNICIPALITY
WELLAND CITY WELLAND WPCP 120001309	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	WELLAND RIVER	10.000 (45.460)	47205	MUNICIPALITY
WEST LINCOLN (SMITHVILLE TOWNSHIP SMITHVILLE LAGOON 120001229	CONVENTIONAL LAGOON SEASONAL	TWENTY MILE CREEK	.344 (1.564)	1980	MUNICIPALITY
		TOTAL CAPACITY	59.738 (271.569)		

REGIONAL MUNICIPALITY OF WATERLOO

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (1000M^3)	POPULATION SERVED	OPERATED BY
CAMBRIDGE (GALT) CITY GALT WPCP 110000276	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	GRAND RIVER	8.500 (38.641)	44966	MINISTRY
CAMBRIDGE (HESPELER) CITY HESPELER WPCP 110001033	HIGH RATE PHOSPHORUS REMOVAL-CONTINUOUS	SPEED RIVER	2.050 (9.319)	10110	MINISTRY
CAMBRIDGE (PRESTON) CITY PRESTON WPCP 110000622	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	GRAND RIVER	3.710 (16.866)	19673	MINISTRY
KITCHENER CITY KITCHENER WPCP 110000374	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	GRAND RIVER	27.000 (122.742)	138271	MINISTRY
NORTH DUMFRIES (AYR) TOWNSHIP AYR PV WPCP 110001943	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS	NITH RIVER	.260 (1.182)	1281	MINISTRY
WATERLOO CITY WATERLOO WPCP 110000793	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	GRAND RIVER	10.000 (45.460)	66627	MINISTRY
WELLESLEY TOWNSHIP WELLESLEY WPCP 110001578	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS	NITH RIVER	.110 (.500)	950	MINISTRY
WILMOT (BADEN) TOWNSHIP BADEN WPCP 110001710	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS	BADEN CREEK	.203 (.923)	1016	MINISTRY

REGIONAL MUNICIPALITY OF WATERLOO

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD ($1000M^3$)	POPULATION SERVED	OPERATED BY
WILMOT (NEW HAMBURG) ** TOWNSHIP NEW HAMBURG LAGOON 110000506	AERATED CELL PLUS LAGOON PHOSPHORUS REMOVAL-CONTINUOUS EFFLUENT POLISHING	NITH RIVER	.600 (2.728)	3787	MINISTRY
WOOLWICH (ELMIRA) TOWNSHIP ELMIRA WPCP (COMBINED FLOW) 110000150	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	CANAGAGIGUE CREEK	.680 (3.091)	7090	MINISTRY
WOOLWICH (ST.JACOBS) TOWNSHIP ST.JACOBS PV WPCP 110001211	OXIDATION DITCH PHOSPHORUS REMOVAL-CONTINUOUS	CONESTOGO RIVER	.210 (.955)	1266	MINISTRY
		TOTAL CAPACITY	53.323 (242.406)		

WEST CENTRAL REGION

AREA WASTEWATER TREATMENT SYSTEMS

TOTAL AREA WASTEWATER TREATMENT SYSTEMS	TOTAL CAPACITY	
	$1000m^3$	MIGD
FIVE	594.4	130.6

SYSTEM: **FORT ERIE POLLUTION CONTROL SYSTEM**

Number of Plants: Three
Operated by: Regional Municipality of Niagara

Number of Municipalities Served: One

PLANT LOCATION	TREATMENT	CAPACITY	MUNICIPALITIES SERVED	WATERCOURSE
FORT ERIE CITY - Anger Ave. 120001292	Primary	3.6 MIGD (16.4 1000m³/d)	Fort Erie City	Niagara River
- Crystal Beach 120001283	Ext. Aeration	0.9 MIGD (4.1 1000m³/d)		Lake Erie
- Stevensville-Douglas Town 120003110	Lagoon	0.5 MIGD (2.3 1000m³/d)		Niagara River

SYSTEM: GRIMSBY/LINCOLN POLLUTION CONTROL SYSTEM

Number of Plants: One
Operated by: Regional Municipality of Niagara
Number of Municipalities Served: Two

PLANT LOCATION	TREATMENT	CAPACITY	MUNICIPALITIES SERVED	WATERCOURSE
GRIMSBY TOWN - Baker Road. WPCP 120001684	Conv. Act. Sludge Phosphorus Removal	4.0 MIGD (18.2 1000m^3/d)	Grimsby Town Lincoln Town	Lake Ontario

SYSTEM: HAMILTON POLLUTION CONTROL SYSTEM

Number of Plants: One
Operated by: Regional Municipality of Hamilton-Wentworth
Number of Municipalities Serviced: Three

PLANT LOCATION	TREATMENT	CAPACITY	MUNICIPALITIES SERVED	WATERCOURSE
HAMILTON CITY - Woodward Ave. WPCP 120001504	*Conv. Act. Sludge	90.0 MIGD (409.1 1000m^3/d)	Hamilton City Ancaster Town Stoney Creek Town	Lake Ontario - Hamilton Harbour

*Note: Phosphorus Removal is achieved without chemical feed at the treatment plant due to the nature of the wastes.

SYSTEM: ST CATHARINES POLLUTION CONTROL SYSTEM

Number of Plants: Two
Operated by: Regional Municipality of Niagara

Number of Municipalities Served: Two

PLANT LOCATION	TREATMENT	CAPACITY	MUNICIPALITIES SERVED	WATERCOURSE
ST. CATHARINES CITY - Port Dalhousie WPCP 120001327	Con. Act. Sludge Phosphorus Removal	13.50 MIGD (61.37 1000m^3/d)	St. Catharines Thorold City	Lake Ontario
ST. CATHARINES CITY - Port Weller WPCP 120001318	Conv. Act. Sludge Phosphorus Removal	8.25 MIGD (37.50 1000m^3/d)	St. Catharines Thorold City	Port Weller Harbour Lake Ontario

SYSTEM: WELLAND POLLUTION CONTROL SYSTEM

Number of Plants: One
Operated by: Regional Municipality of Niagara

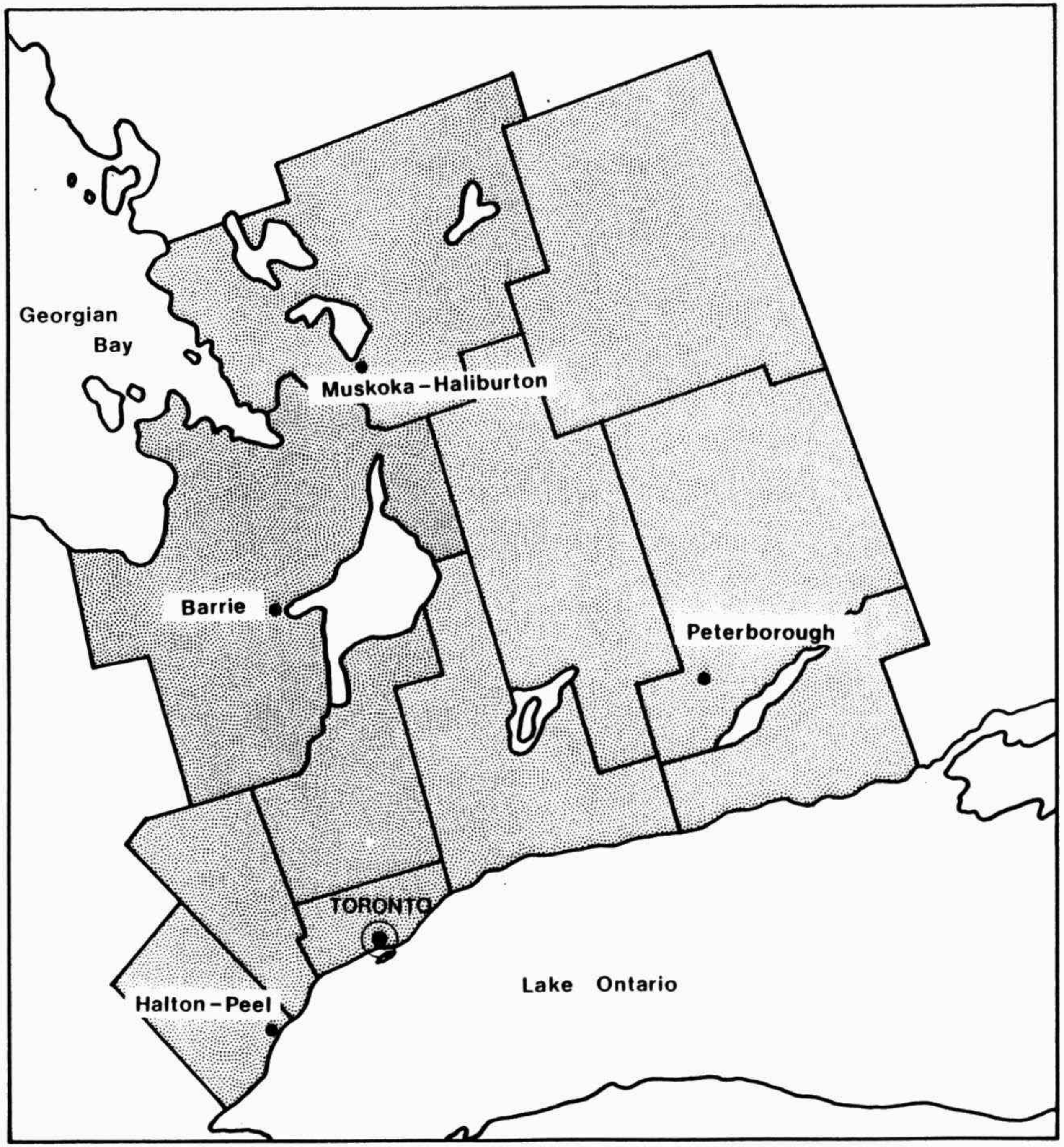
Number of Municipalities Served: Two

PLANT LOCATION	TREATMENT	CAPACITY	MUNICIPALITIES SERVED	WATERCOURSE
WELLAND CITY - Welland WPCP 120001309	Conv. Act. Sludge Phosphorus Removal	10.0 MIGD (45.4 1000m^3/d)	Welland City Pelham Town	Welland River

Central Region

③

Ministry of the Environment
Ontario



Central Region

③

Ministry
of the
Environment
Ontario

REGIONAL OFFICES

Toronto
7 Overlea Blvd.
M4E 1A8
416 424-3000

DISTRICT OFFICES

Barrie
12 Fairview Rd.
L4N 4P3
705 726-1730

Halton-Peel
1226 White Oaks Blvd.
Oakville
L6H 2B9
416 844-5747

Metro Toronto East
7 overlea Blvd.
Toronto
M4E 1A8
416 424-3000

Metro Toronto West
7 Overlea Blvd.
Toronto
M4E 1A8
416 424-3000

Muskoka-Haliburton
Gravenhurst Shopping
Centre
P0C 1G0
705 687-3408

Peterborough
139 George St. N.
K9J 3G6
705 743-2972

York-Durham
7 Overlea Blvd.
Toronto
M4E 1A8
416 424-3000

CENTRAL REGION SUMMARY

TREATMENT TYPE	<----------- NUMBER ------------->			<---------- ** CAPACITY MIGD ** -------------> $(1000M^3)$		
	MINISTRY	MUNICIPAL	TOTAL	MINISTRY	MUNICIPAL	TOTAL
COMMUNAL SEPTIC TANK	0	1	1	.000	.020	.020 (.091)
CONVENTIONAL ACTIVATED SLUDGE	3	27	30	87.800	472.040	559.840 (2,545.033)
CONTACT STABILIZATION	1	1	2	.230	.660	.890 (4.046)
EXTENDED AERATION	9	12	21	5.929	7.337	13.266 (60.307)
TRICKLING FILTER	0	2	2	.000	8.000	8.000 (36.368)
HIGH RATE	0	1	1	.000	2.000	2.000 (9.092)
OXIDATION DITCH	3	0	3	.613	.000	.613 (2.787)
CONVENTIONAL LAGOON CONTINUOUS	0	3	3	.000	4.112	4.112 (18.693)
CONVENTIONAL LAGOON SEASONAL	1	6	7	.128	2.125	2.253 (10.242)
LAGOON AND SPRAY	1	0	1	.135	.000	.135 (.614)
AERATED CELL PLUS LAGOON	0	2	2	.000	1.080	1.080 (4.910)
EXFILTRATION LAGOON	1	1	2	.300	.100	.400 (1.818)
**** TOTALS ****	19	56	75	95.135 (432.484)	497.474 (2,261.517)	592.609 (2,694.001)

** MIGD: MILLIONS OF IMPERIAL GALLONS PER DAY | CONVERSION FACTOR
$1000M^3$:THOUSANDS OF CUBIC METRES | 1 MIGD = 4.546 $1000M^3$

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**************************************************************** I N F L U E N T ************* E F F L U E N T ****** COMPLIANCE ***
*                                                     *                              *                           *                 *
*  MUNICIPALITY   / WORKSNUMBER   POP.   AVG DAY FLOW *           ANNUAL  AVERAGE    *          ANNUAL  AVERAGE  * MONTHS          *
*  EXISTING CAPACITY              SERVED    (MIGD)    *                              *                           *  OF    * MONTHS *
*  AND TREATMENT                          1000 CUBIC  *           CONC.    LOADING   *          CONC.    LOADING *EFFLUENT*EXCEEDED*
*                                         METRES      *          (MG/L)    KG/DAY    *          (MG/L)   KG/DAY  *  DATA  *        *
************************************************************************************************************************************


    ALLISTON                   *MIN*
                       110001220
    TOWN                            4674              *  B O D:  224.00      624.74  *  B O D:   6.70      18.69 *  12
ALLISTON WPCP                                         *                              *                           *
      CAPACITY (MIGD):   (    .770)       (    .614 ) *   S S :  286.00      797.65  *   S S :  13.30      37.09 *  12         2
      1000 CUBIC METRES:    3.500             2.789   *                              *                           *
EXTENDED AERATION                                     * T.PHOS:    8.20       22.87  * T.PHOS:   6.09      16.99 *  12
                                                      *                              *
                                                      *
                                                      *                   WATERCOURSE: BOYNE RIVER
                                                      *
                                                      *              REMEDIAL MEASURE: EXPANSION/UPGRADING


    ANSON HINDON MINDEN
                       110002390
    TOWNSHIP                         930              *  B O D:   82.00       61.58  *  B O D:   1.60       1.20 *  10
MINDEN WPCP                                           *                              *                           *
      CAPACITY (MIGD):   (    .208)       (    .165 ) *   S S :   96.00       72.10  *   S S :   2.40       1.80 *  10
      1000 CUBIC METRES:     .946              .751   *                              *                           *
EXTENDED AERATION                                     * T.PHOS:    5.00        3.76  * T.PHOS:   0.47       0.35 *   8
PHOSPHORUS REMOVAL-CONTINUOUS                         *                              *
EFFLUENT POLISHING                                    *
                                                      *                   WATERCOURSE: GULL RIVER
                                                      *


    BARRIE
                       120000578
    CITY                           40000              *  B O D:  184.00    4,804.98  *  B O D:   6.70     174.96 *  12
BARRIE WPCP                                           *                              *                           *
      CAPACITY (MIGD):   (   6.000)       (   5.745 ) *   S S :  210.00    5,483.94  *   S S :  12.60     329.04 *  12
      1000 CUBIC METRES:   27.276            26.114   *                              *                           *
CONVENTIONAL ACTIVATED SLUDGE                         * T.PHOS:    8.40      219.36  * T.PHOS:   0.50      13.06 *  11
PHOSPHORUS REMOVAL-CONTINUOUS                         *                              *
                                                      *
                                                      *                   WATERCOURSE: KEMPENFELT BAY L. SIMCOE
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                                                 CENTRAL       -  REGION

                                        1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

**************************************************************** I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                     *                              *                           *                  *
*  MUNICIPALITY   / WORKSNUMBER   POP.   AVG DAY FLOW *           ANNUAL AVERAGE     *          ANNUAL AVERAGE   * MONTHS           *
*  EXISTING CAPACITY              SERVED    (MIGD)    *                              *                           *   OF   * MONTHS *
*  AND TREATMENT                          1000 CUBIC  *           CONC.    LOADING   *          CONC.    LOADING *EFFLUENT*EXCEEDED*
*                                         METRES      *           (MG/L)   KG/DAY    *          (MG/L)   KG/DAY  *  DATA  *         *
*************************************************************************************************************************************


    BEETON                     *MIN*                  *                                      NO 1985 DISCHARGE
                       110000917
    VILLAGE                         2105              * B O D:   112.00       102.26 * B O D:     0.00      0.00 *
BEETON LAGOON                                         *                              *                           *
      CAPACITY (MIGD):   (   .300)        (    .201 ) *  S S :   141.00       128.73 *  S S :     0.00      0.00 *
      1000 CUBIC METRES:    1.364              .913   *                              *                           *
EXFILTRATION LAGOON                                   * T.PHOS:    6.40         5.84 * T.PHOS:    0.00      0.00 *
                                                      *                              *
                                                      *
                                                      *                   WATERCOURSE: NO DISC.TO SURFACE WATER
                                                      *



    BICROFT (CARDIFF)                                 *                                      NO 1985 DISCHARGE
                       120001032
    TOWNSHIP                         741              * B O D:     0.00              * B O D:     0.00           *
CARDIFF LAGOON                                        *                              *                           *
      CAPACITY (MIGD):   (   .100)        (         ) *  S S :     0.00              *  S S :     0.00           *
      1000 CUBIC METRES:     .455                     *                              *                           *
EXFILTRATION LAGOON                                   * T.PHOS:    0.00              * T.PHOS:    0.00           *
                                                      *                              *
                                                      *
                                                      *                   WATERCOURSE: NO DISC.TO SURFACE WATER
                                                      *



    BOBCAYGEON                 *MIN*
                       110002498
    VILLAGE                         1130              * B O D:    95.00        83.41 * B O D:     3.90      3.42 *   12
BOBCAYGEON WPCP(SUMMER POPSERVE 2260)                 *                              *                           *
      CAPACITY (MIGD):   (   .672)        (    .193 ) *  S S :   114.00       100.09 *  S S :     8.30      7.29 *   12
      1000 CUBIC METRES:    3.055              .878   *                              *                           *
EXTENDED AERATION                                     * T.PHOS:    4.40         3.86 * T.PHOS:    0.52      0.46 *   12        2
PHOSPHORUS REMOVAL-CONTINUOUS                         *                              *
                                                      *
                                                      *                   WATERCOURSE: BOBCAYGEON  RIVER
                                                      *
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                                                  CENTRAL       -  REGION

                                         1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

******************************************************************** I N F L U E N T ************* E F F L U E N T ****** COMPLIANCE ***
*                                                          *                                *                              *              *
*  MUNICIPALITY    / WORKSNUMBER   POP.    AVG DAY FLOW *          ANNUAL AVERAGE        *          ANNUAL AVERAGE       * MONTHS       *
*  EXISTING CAPACITY                SERVED     (MIGD)     *                                *                              *   OF   * MONTHS *
*  AND TREATMENT                              1000 CUBIC  *          CONC.     LOADING     *          CONC.     LOADING  *EFFLUENT*EXCEEDED*
*                                              METRES     *          (MG/L)    KG/DAY      *          (MG/L)    KG/DAY   *  DATA  *       *
*****************************************************************************************************************************************


    BRACEBRIDGE          **
                    110000034
    TOWN                           5765                 *  B O D:   85.00       228.14  *  B O D:    3.20        8.59 *    8
BRACEBRIDGE WPCP                                        *                               *                             *
      CAPACITY (MIGD):    (    .702)         (     .590 ) *   S S :  162.00       434.81  *   S S :    9.90       26.57 *    8
      1000 CUBIC METRES:     3.191                2.684   *                               *                             *
EXTENDED AERATION                                       * T.PHOS:    6.70        17.98  * T.PHOS:    0.51        1.37 *    8        1
PHOSPHORUS REMOVAL-CONTINUOUS                           *                               *
EFFLUENT POLISHING                                      *
                                                        *                  WATERCOURSE: MUSKOKA RIVER
                                                        *


    BRADFORD             **    *MIN*
                    110000944
    TOWN                           8500                 *  B O D:  171.00       533.18  *  B O D:    6.40       19.96 *   12
BRADFORD WPCP                                           *                               *                             *
      CAPACITY (MIGD):    (  1.500)         (     .686 ) *   S S :  501.00     1,562.12  *   S S :    6.30       19.64 *   12
      1000 CUBIC METRES:     6.819                3.118   *                               *                             *
EXTENDED AERATION                                       * T.PHOS:    7.30        22.76  * T.PHOS:    0.40        1.25 *   12
PHOSPHORUS REMOVAL-CONTINUOUS                           *                               *
EFFLUENT POLISHING                                      *
                                                        *                  WATERCOURSE: SCHOMBERG RIVER
                                                        *


    BRIGHTON
                    110000953
    TOWN                           3535                 *  B O D:   62.00       153.51  *  B O D:    7.10       17.58 *   12
BRIGHTON LAGOON                                         *                               *                             *
      CAPACITY (MIGD):    (    .850)         (     .545 ) *   S S :   86.00       212.94  *   S S :   15.00       37.14 *   12        1
      1000 CUBIC METRES:     3.864                2.476   *                               *                             *
AERATED CELL PLUS LAGOON                                * T.PHOS:    5.00        12.38  * T.PHOS:    1.02        2.53 *   12        3
CONTINUOUS DISCHARGE                                    *                               *
PHOSPHORUS REMOVAL-CONTINUOUS                           *
                                                        *                  WATERCOURSE: BUTLER CREEK
                                                        *
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CENTRAL - REGION

1985 DATA - MUNICIPAL WASTEWATER TREATMENT FACILITIES

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**************************************************************** I N F L U E N T ************* E F F L U E N T ****** COMPLIANCE ***
*                                                     *                              *                           *                 *
*  MUNICIPALITY  / WORKSNUMBER    POP.   AVG DAY FLOW *           ANNUAL AVERAGE     *          ANNUAL AVERAGE   * MONTHS          *
*  EXISTING CAPACITY              SERVED    (MIGD)    *                              *                           *   OF   * MONTHS *
*  AND TREATMENT                          1000 CUBIC  *           CONC.    LOADING   *          CONC.    LOADING *EFFLUENT*EXCEEDED*
*                                         METRES      *          (MG/L)    KG/DAY    *          (MG/L)   KG/DAY  *  DATA  *        *
************************************************************************************************************************************


    BROCK (BEAVERTON R.2)
                       110001248
    TOWNSHIP                        1835              *  B O D:  115.00        90.51  *  B O D:  28.10      22.11 *    2        1
BEAVERTON RIVER 2 LAGOON (CANNINGTON)                 *                               *                           *
      CAPACITY (MIGD):  (   .203)         (    .173 ) *   S S :  205.00       161.34  *   S S :  50.10      39.43 *    2        2
      1000 CUBIC METRES:     .923              .787   *                               *                           *
CONVENTIONAL LAGOON SEASONAL                          * T.PHOS:    5.20         4.09  * T.PHOS:   1.11       0.87 *    2        1
PHOSPHORUS REMOVAL-CONTINUOUS                         *                               *
                                                      *
                                                      *                   WATERCOURSE: BEAVERTON RIVER
                                                      *



    BROCK (BEAVERTON R.1) **                          *                                       NO 1985 DISCHARGE
                       120003496
    TOWNSHIP                         875              *  B O D:  383.00       196.48  *  B O D:   0.00       0.00 *
BEAVERTON RIVER 1 LAGOON (SUNDERLAND)                 *                               *                           *
      CAPACITY (MIGD):  (   .167)         (    .113 ) *   S S :  724.00       371.41  *   S S :   0.00       0.00 *
      1000 CUBIC METRES:     .759              .513   *                               *                           *
CONVENTIONAL LAGOON CONTINUOUS                        * T.PHOS:   12.90         6.62  * T.PHOS:   0.00       0.00 *
EXFILTRATION LAGOON                                   *                               *
                                                      *
                                                      *                   WATERCOURSE: NO DISC.TO SURFACE WATER
                                                      *



    BROCK (LAKE SIMCOE)
                       110000908
    TOWNSHIP                        2570              *  B O D:  145.00       225.19  *  B O D:   8.60      13.36 *    2
LAKE SIMCOE LAGOON (BEAVERTON)                        *                               *                           *
      CAPACITY (MIGD):  (   .382)         (    .342 ) *   S S :  206.00       319.92  *   S S :  26.90      41.78 *    2        1
      1000 CUBIC METRES:    1.737             1.553   *                               *                           *
CONVENTIONAL LAGOON SEASONAL                          * T.PHOS:   10.70        16.62  * T.PHOS:   0.24       0.37 *    2
PHOSPHORUS REMOVAL-CONTINUOUS                         *                               *
                                                      *
                                                      *                   WATERCOURSE: LAKE SIMCOE
                                                      *
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                                         CENTRAL       -  REGION

                               1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

******************************************************************* I N F L U E N T ************* E F F L U E N T ****** COMPLIANCE ***
*                                                       *                              *                              *                 *
*  MUNICIPALITY   / WORKSNUMBER   POP.   AVG DAY FLOW  *           ANNUAL  AVERAGE     *         ANNUAL  AVERAGE      * MONTHS          *
*  EXISTING CAPACITY              SERVED    (MIGD)     *                               *                              *   OF   * MONTHS *
*  AND TREATMENT                           1000 CUBIC  *           CONC.    LOADING    *         CONC.    LOADING    *EFFLUENT*EXCEEDED*
*                                          METRES      *           (MG/L)   KG/DAY     *         (MG/L)   KG/DAY     *  DATA  *        *
*****************************************************************************************************************************************


    BURLINGTON (SKYWAY)
                   110000070
    CITY                          120100               *  B O D:  159.00   10,652.21  *  B O D:    9.20      616.35 *   12
SKYWAY WPCP                                            *                              *                             *
      CAPACITY (MIGD):     ( 20.500)        (  14.739 ) *   S S :  185.00   12,394.08  *   S S :    7.40      495.76 *   12
      1000 CUBIC METRES:   93.193             66.995    *                              *                             *
CONVENTIONAL ACTIVATED SLUDGE                          * T.PHOS:     6.50      435.47  * T.PHOS:   0.73       48.91 *   12         1
PHOSPHORUS REMOVAL-CONTINUOUS                          *                              *
                                                       *
                                                       *                  WATERCOURSE: HAMILTON HARBOUR
                                                       *



    CALEDON (BOLTON)       **
                   120000694
    TOWN                            7939               *  B O D:  212.00      869.20  *  B O D:    2.90       11.89 *   10
BOLTON WPCP PHASED OUT OCT 1985                        *                              *                             *
      CAPACITY (MIGD):     (  1.000)        (     .902 ) *   S S :  259.00    1,061.90  *   S S :    4.10       16.81 *   10
      1000 CUBIC METRES:    4.546              4.100    *                              *                             *
CONVENTIONAL ACTIVATED SLUDGE                          * T.PHOS:     8.30       34.03  * T.PHOS:   0.47        1.93 *   10         1
PHOSPHORUS REMOVAL-CONTINUOUS                          *                              *
EFFLUENT POLISHING                                     *
                                                       *                  WATERCOURSE: HUMBER RIVER
                                                       *



    CAMPBELLFORD             *MIN*
                   110000962
    TOWN                            3196               *  B O D:   27.00      183.28  *  B O D:    6.40       43.44 *   12
CAMPBELLFORD WPCP                                      *                              *                             *
      CAPACITY (MIGD):     (  1.300)        (    1.493 ) *   S S :   51.00      346.19  *   S S :    5.50       37.33 *   12
      1000 CUBIC METRES:    5.910              6.788    *                              *                             *
CONVENTIONAL ACTIVATED SLUDGE                          * T.PHOS:     1.80       12.22  * T.PHOS:   0.85        5.77 *   11         3
PHOSPHORUS REMOVAL-CONTINUOUS                          *                              *
                                                       *
                                                       *                  WATERCOURSE: TRENT RIVER
                                                       *
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1985 DATA - MUNICIPAL WASTEWATER TREATMENT FACILITIES

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****************************************************************** I N F L U E N T ************* E F F L U E N T ****** COMPLIANCE ***
*                                                         *                                *                                *                 *
*  MUNICIPALITY   / WORKSNUMBER  POP.   AVG DAY FLOW *          ANNUAL  AVERAGE        *          ANNUAL  AVERAGE    * MONTHS           *
*  EXISTING CAPACITY                   SERVED    (MIGD)    *                                *                                *   OF    * MONTHS *
*  AND TREATMENT                                  1000 CUBIC  *          CONC.     LOADING     *          CONC.     LOADING *EFFLUENT*EXCEEDED*
*                                                  METRES     *         (MG/L)    KG/DAY     *         (MG/L)    KG/DAY  *  DATA  *         *
*******************************************************************************************************************************************


    COBOURG (1)
                   120000097
    TOWN                          6000              * B O D:  429.00     3,658.94  * B O D:  14.70      125.38 *   11        1
COBOURG WPCP NO 1                                   *                              *                           *
      CAPACITY (MIGD):   (  3.530)      (  1.876 ) *  S S :  311.00     2,652.52  *  S S :  10.90       92.97 *   11
      1000 CUBIC METRES:   16.047           8.529   *                              *                           *
CONVENTIONAL ACTIVATED SLUDGE                       * T.PHOS:    6.80        58.00  * T.PHOS:   1.53       13.05 *   10        3
PHOSPHORUS REMOVAL-CONTINUOUS                       *                              *
                                                    *
                                                    *              WATERCOURSE: COBOURG BROOK
                                                    *
                                                    *          REMEDIAL MEASURE: MAINENANCE/OPERATION UPGRADING


    COBOURG (2)
                   120003192
    TOWN                          5500              * B O D:   88.00       398.73  * B O D:  18.60       84.28 *   12        1
COBOURG WPCP NO 2                                   *                              *                           *
      CAPACITY (MIGD):   (  1.290)      (   .997 ) *  S S :  153.00       693.24  *  S S :  14.20       64.34 *   12
      1000 CUBIC METRES:    5.864           4.531   *                              *                           *
EXTENDED AERATION                                   * T.PHOS:    3.10        14.05  * T.PHOS:   1.93        8.74 *   12        9
PHOSPHORUS REMOVAL-CONTINUOUS                       *                              *
                                                    *
                                                    *              WATERCOURSE: LAKE ONTARIO
                                                    *
                                                    *          REMEDIAL MEASURE: PROCESS/EQUIPMENT IMPROVEMENTS


    COLDWATER                *MIN*
                   110001596
    VILLAGE                        761              * B O D:   98.00        45.67  * B O D:   7.60        3.54 *   11
COLDWATER WPCP                                      *                              *                           *
      CAPACITY (MIGD):   (   .120)      (   .103 ) *  S S :  111.00        51.73  *  S S :  21.40        9.97 *   11        1
      1000 CUBIC METRES:      .546           .466   *                              *                           *
EXTENDED AERATION                                   * T.PHOS:    4.10         1.91  * T.PHOS:   3.03        1.41 *   10
                                                    *                              *
                                                    *
                                                    *              WATERCOURSE: COLDWATER RIVER
                                                    *
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                                          CENTRAL       -  REGION

                                  1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

**************************************************************** I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                          *                              *                              *              *
*  MUNICIPALITY   / WORKSNUMBER   POP.    AVG DAY FLOW *          ANNUAL  AVERAGE        *          ANNUAL  AVERAGE    * MONTHS       *
*  EXISTING CAPACITY               SERVED     (MIGD)     *                                *                              *   OF   * MONTHS *
*  AND TREATMENT                              1000 CUBIC  *          CONC.      LOADING   *          CONC.     LOADING  *EFFLUENT*EXCEEDED*
*                                              METRES     *         (MG/L)     KG/DAY    *          (MG/L)    KG/DAY   *  DATA  *       *
****************************************************************************************************************************************


    COLLINGWOOD
                       120000550
    TOWN                          11500                  *  B O D:  163.00     3,022.84  *  B O D:   5.70     105.71 *   12
COLLINGWOOD WPCP                                         *                               *                           *
      CAPACITY (MIGD):   (  5.400)          (   4.080 ) *   S S :  131.00     2,429.40  *   S S :  12.50     231.81 *   12       1
      1000 CUBIC METRES:   24.548              18.545   *                               *                           *
CONVENTIONAL ACTIVATED SLUDGE                           * T.PHOS:   11.10       205.85  * T.PHOS:   1.91      35.42 *   12      10
PHOSPHORUS REMOVAL-CONTINUOUS                           *                               *
                                                         *
                                                         *                WATERCOURSE: GEORGIAN BAY
                                                         *
                                                         *           REMEDIAL MEASURE: MAINENANCE/OPERATION UPGRADING


    CRAMAHE (COLBORNE)    **
                       120000088
    TOWNSHIP                       1770                  *  B O D:   59.00        50.21  *  B O D:   1.60       1.36 *   12
COLBORNE WPCP                                            *                               *                           *
      CAPACITY (MIGD):   (   .302)          (    .187 ) *   S S :   73.00        62.12  *   S S :   4.80       4.08 *   12
      1000 CUBIC METRES:    1.373                .851   *                               *                           *
EXTENDED AERATION                                        * T.PHOS:    3.20         2.72  * T.PHOS:   0.51       0.43 *   11
PHOSPHORUS REMOVAL-CONTINUOUS                           *                               *
EFFLUENT FILTRATION                                      *
                                                         *                WATERCOURSE: COLBORNE CREEK
                                                         *


    DYSART-ET-AL (HALIBURT**
                       110001603
    TOWNSHIP                        875                  *  B O D:  141.00        32.29  *  B O D:   1.30       0.30 *   11
HALIBURTON WPCP                                          *                               *                           *
      CAPACITY (MIGD):   (   .210)          (    .050 ) *   S S :  121.00        27.71  *   S S :   3.70       0.85 *   11
      1000 CUBIC METRES:     .955                .229   *                               *                           *
EXTENDED AERATION                                        * T.PHOS:    4.40         1.01  * T.PHOS:   0.62       0.14 *   11       3
PHOSPHORUS REMOVAL-CONTINUOUS                           *                               *
EFFLUENT POLISHING                                       *
                                                         *                WATERCOURSE: DRAG R. TO GRASS LAKE
                                                         *
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                                                 CENTRAL       -  REGION

                                        1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

**************************************************************** I N F L U E N T ************* E F F L U E N T ****** COMPLIANCE ***
*                                                     *                              *                           *                 *
*  MUNICIPALITY   / WORKSNUMBER   POP.   AVG DAY FLOW *           ANNUAL AVERAGE     *         ANNUAL AVERAGE    * MONTHS          *
*  EXISTING CAPACITY              SERVED    (MIGD)    *                              *                           *  OF    * MONTHS *
*  AND TREATMENT                          1000 CUBIC  *           CONC.    LOADING   *         CONC.     LOADING *EFFLUENT*EXCEEDED*
*                                         METRES      *          (MG/L)    KG/DAY    *         (MG/L)    KG/DAY  * DATA   *        *
************************************************************************************************************************************


    EAST GWILLIMBURY (HOLL.L
                       120001620
    TOWN                            2200              * B O D:   104.00       94.64  * B O D:    9.22       8.39 *    2
HOLLAND LANDING LAGOON                                *                              *                           *
      CAPACITY (MIGD):   (    .300)       (    .200 ) *  S S :    88.00       80.08  *  S S :    8.49       7.73 *    2
      1000 CUBIC METRES:    1.364              .910   *                              *                           *
CONVENTIONAL LAGOON SEASONAL                          * T.PHOS:    6.80        6.19  * T.PHOS:   0.51       0.46 *    2
PHOSPHORUS REMOVAL-CONTINUOUS                         *                              *
                                                      *
                                                      *                   WATERCOURSE: HOLLAND RIVER
                                                      *



    EAST GWILLIMBURY(M.ALB**
                       120001853
    TOWN                            1100              * B O D:   154.00       39.58  * B O D:    8.95       2.30 *    1
MOUNT ALBERT WPCP                                     *                              *                           *
      CAPACITY (MIGD):   (    .150)       (    .057 ) *  S S :   137.00       35.21  *  S S :   11.35       2.92 *    1
      1000 CUBIC METRES:     .682              .257   *                              *                           *
EXTENDED AERATION                                     * T.PHOS:    7.70        1.98  * T.PHOS:   0.46       0.12 *    1
PHOSPHORUS REMOVAL-CONTINUOUS                         *                              *
EFFLUENT POLISHING                                    *
                                                      *                   WATERCOURSE: MOUNT ALBERT  CREEK
                                                      *



    ELMVALE
                       110000169
    VILLAGE                         1200              * B O D:    83.00      114.54  * B O D:   25.70      35.47 *   11        2
ELMVALE  LAGOON                                       *                              *                           *
      CAPACITY (MIGD):   (    .165)       (    .304 ) *  S S :   109.00      150.42  *  S S :   37.00      51.06 *   11        1
      1000 CUBIC METRES:     .750             1.380   *                              *                           *
CONVENTIONAL LAGOON CONTINUOUS                        * T.PHOS:    4.50        6.21  * T.PHOS:   3.00       4.14 *   10
                                                      *                              *
                                                      *
                                                      *                   WATERCOURSE: WYE RIVER
                                                      *
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                                         CENTRAL      -  REGION

                                  1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

*********************************************************************** I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                                  *                                  *                               *              *
*  MUNICIPALITY    / WORKSNUMBER   POP.    AVG DAY FLOW *           ANNUAL  AVERAGE          *          ANNUAL  AVERAGE        * MONTHS            *
*  EXISTING CAPACITY               SERVED     (MIGD)    *                                    *                                 *   OF    * MONTHS *
*  AND TREATMENT                           1000 CUBIC   *           CONC.      LOADING       *          CONC.      LOADING     *EFFLUENT*EXCEEDED*
*                                          METRES       *           (MG/L)     KG/DAY        *          (MG/L)     KG/DAY      *  DATA  *        *
*******************************************************************************************************************************************


    ESSA (ANGUS)               *MIN*
                   110003282
    TOWNSHIP                       2560                 * B O D:  152.00       101.38  * B O D:   8.80         5.87 *   12        1
ANGUS WPCP                                              *                              *                            *
      CAPACITY (MIGD):    (    .747)        (     .147 ) *  S S :  134.00        89.38  *  S S :  12.70         8.47 *   12
      1000 CUBIC METRES:   3.396                  .667   *                              *                            *
EXTENDED AERATION                                       * T.PHOS:    7.40         4.94  * T.PHOS:   1.18         0.79 *   12        6
PHOSPHORUS REMOVAL-CONTINUOUS                           *                              *
                                                        *
                                                        *             WATERCOURSE: NOTTAWASAGA   RIVER
                                                        *



    FENELON FALLS              *MIN*
                   110001612
    VILLAGE                        1568                 * B O D:   99.00        85.73  * B O D:   8.60         7.45 *   12
FENELON FALLS WPCP(SUMMER POPSERVE 3136)                *                              *                            *
      CAPACITY (MIGD):    (    .220)        (     .191 ) *  S S :  111.00        96.13  *  S S :   8.70         7.53 *   12
      1000 CUBIC METRES:   1.000                  .866   *                              *                            *
OXIDATION DITCH                                         * T.PHOS:    5.60         4.85  * T.PHOS:   0.73         0.63 *   10        2
PHOSPHORUS REMOVAL-CONTINUOUS                           *                              *
                                                        *
                                                        *             WATERCOURSE: FENELON RIVER
                                                        *



    GEORGINA (KESWICK)
                   120001755
    TOWNSHIP                       8000                 * B O D:   24.00               * B O D:   1.40              *    2
KESWICK WPCP                                            *                              *                            *
      CAPACITY (MIGD):    (  2.655)         (          ) *  S S :   43.00               *  S S :   2.40              *    2
      1000 CUBIC METRES:  12.070                        *                              *                            *
EXTENDED AERATION                                       * T.PHOS:    1.70               * T.PHOS:   0.99              *    2        1
PHOSPHORUS REMOVAL-CONTINUOUS                           *                              *
                                                        *
                                                        *             WATERCOURSE: COOK BAY(L.SIMCOE)
                                                        *
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                                          CENTRAL       -  REGION

                                  1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

*************************************************************** I N F L U E N T ************* E F F L U E N T ****** COMPLIANCE ***
*                                                             *                              *                              *              *
*  MUNICIPALITY   / WORKSNUMBER   POP.   AVG DAY FLOW *           ANNUAL AVERAGE          *           ANNUAL AVERAGE       * MONTHS       *
*  EXISTING CAPACITY               SERVED     (MIGD)    *                                  *                                *   OF   * MONTHS *
*  AND TREATMENT                              1000 CUBIC *           CONC.     LOADING     *           CONC.     LOADING *EFFLUENT*EXCEEDED*
*                                             METRES     *          (MG/L)    KG/DAY      *          (MG/L)    KG/DAY  *  DATA  *        *
************************************************************************************************************************************


    GEORGINA (SUTTON)
                   110001168
    TOWNSHIP                       2650                  * B O D:  137.00       175.91  * B O D:   2.90        3.72 *   11
SUTTON WPCP                                              *                              *                            *
      CAPACITY (MIGD):   (    .450)       (     .282 )  *  S S :  222.00       285.05  *  S S :   3.50        4.49 *   11
      1000 CUBIC METRES:    2.046               1.284    *                              *                            *
EXTENDED AERATION                                        * T.PHOS:    7.20         9.24  * T.PHOS:   0.22        0.28 *   10
PHOSPHORUS REMOVAL-CONTINUOUS                            *                              *
                                                         *
                                                         *                  WATERCOURSE: BLACK RIVER
                                                         *


    GRAVENHURST
                   120000809
    TOWN                           4274                  * B O D:   81.00       251.75  * B O D:   3.90       12.12 *   10
GRAVENHURST WPCP (DUAL OPERATION)                        *                              *                            *
      CAPACITY (MIGD):   (    .670)       (     .684 )  *  S S :   69.00       214.45  *  S S :  14.40       44.76 *   10
      1000 CUBIC METRES:    3.046               3.108    *                              *                            *
CONVENTIONAL ACTIVATED SLUDGE                            * T.PHOS:    3.50        10.88  * T.PHOS:   0.40        1.24 *   10
EXTENDED AERATION                                        *                              *
PHOSPHORUS REMOVAL-CONTINUOUS                            *
                                                         *                  WATERCOURSE: MUSKOKA LAKE
                                                         *


    HALTON HILLS (ACTON)  **
                   120001023
    TOWN                           7478                  * B O D:  131.00       508.28  * B O D:   2.40        9.31 *   12
ACTON WPCP + LAGOON                                      *                              *                            *
      CAPACITY (MIGD):   (  1.000)        (     .854 )  *  S S :  148.00       574.24  *  S S :   5.60       21.73 *   12
      1000 CUBIC METRES:    4.546               3.880    *                              *                            *
CONVENTIONAL ACTIVATED SLUDGE                            * T.PHOS:    5.60        21.73  * T.PHOS:   0.57        2.21 *   12        1
PHOSPHORUS REMOVAL - BATCH                               *                              *
EFFLUENT POLISHING                                       *
                                                         *                  WATERCOURSE: BLACK CREEK
                                                         *
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                                                       CENTRAL       -  REGION

                                              1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

******************************************************************* I N F L U E N T ************* E F F L U E N T ****** COMPLIANCE ***
*                                                      *                              *                             *                 *
*  MUNICIPALITY   / WORKSNUMBER   POP.   AVG DAY FLOW  *         ANNUAL  AVERAGE      *         ANNUAL  AVERAGE     * MONTHS          *
*  EXISTING CAPACITY              SERVED     (MIGD)    *                              *                             *   OF   * MONTHS *
*  AND TREATMENT                          1000 CUBIC   *         CONC.     LOADING    *         CONC.     LOADING   *EFFLUENT*EXCEEDED*
*                                          METRES      *        (MG/L)     KG/DAY     *        (MG/L)     KG/DAY    *  DATA  *        *
*****************************************************************************************************************************************


    HALTON HILLS (GEORGT.)**
                   110000294
    TOWN                        20100                  *  B O D:  206.00    2,296.90  *  B O D:   3.50       39.03 *   12
GEORGETOWN WPCP                                        *                              *                             *
      CAPACITY (MIGD):   (  3.000)         (  2.453 )  *   S S :  228.00    2,542.20  *   S S :   3.00       33.45 *   12
      1000 CUBIC METRES:   13.638             11.150   *                              *                             *
CONVENTIONAL ACTIVATED SLUDGE                          * T.PHOS:   11.20      124.88  * T.PHOS:   0.53        5.91 *   12
PHOSPHORUS REMOVAL-CONTINUOUS                          *                              *
EFFLUENT POLISHING                                     *
                                                       *                WATERCOURSE: SILVER CREEK
                                                       *




    HASTINGS                 *MIN*
                   110001827
    VILLAGE                       918                  *  B O D:   31.00       23.78  *  B O D:   4.90        3.76 *   12         1
HASTINGS WPCP                                          *                              *                             *
      CAPACITY (MIGD):   (   .233)         (    .169 ) *   S S :   23.00       17.64  *   S S :   9.20        7.06 *   12         1
      1000 CUBIC METRES:    1.059               .767   *                              *                             *
OXIDATION DITCH                                        * T.PHOS:    5.50        4.22  * T.PHOS:   0.54        0.41 *   12         1
PHOSPHORUS REMOVAL-CONTINUOUS                          *                              *
                                                       *
                                                       *                WATERCOURSE: TRENT RIVER
                                                       *




    HAVELOCK                 *MIN*
                   110001765
    VILLAGE                      1344                  *  B O D:  127.00      100.46  *  B O D:  10.00        7.91 *    1
HAVELOCK  LAGOON                                       *                              *                             *
      CAPACITY (MIGD):   (   .128)         (    .174 ) *   S S :  142.00      112.32  *   S S :  15.50       12.26 *    1
      1000 CUBIC METRES:     .582               .791   *                              *                             *
CONVENTIONAL LAGOON SEASONAL                           * T.PHOS:    6.50        5.14  * T.PHOS:   0.71        0.56 *    1
PHOSPHORUS REMOVAL - BATCH                             *                              *
                                                       *
                                                       *                WATERCOURSE: PLATO CREEK
                                                       *
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                                                CENTRAL       -  REGION

                                          1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

***************************************************************** I N F L U E N T ************* E F F L U E N T ****** COMPLIANCE ***
*                                                             *                               *                             *              *
*  MUNICIPALITY   / WORKSNUMBER   POP.   AVG DAY FLOW *          ANNUAL  AVERAGE     *          ANNUAL  AVERAGE    * MONTHS          *
*  EXISTING CAPACITY              SERVED    (MIGD)     *                               *                             *   OF    * MONTHS *
*  AND TREATMENT                           1000 CUBIC  *          CONC.     LOADING    *          CONC.    LOADING *EFFLUENT*EXCEEDED*
*                                           METRES     *          (MG/L)    KG/DAY     *          (MG/L)   KG/DAY  *  DATA  *         *
***************************************************************************************************************************************


    HUNTSVILLE
                    110000347
    TOWN                            5856               *  B O D:  106.00      509.97  *  B O D:   4.30      20.69 *    7
HUNTSVILLE WPCP                                        *                               *                             *
      CAPACITY (MIGD):    (  1.000)       (   1.058 ) *    S S :   94.00      452.23  *    S S :  14.10      67.84 *    8         1
      1000 CUBIC METRES:     4.546              4.811  *                               *                             *
CONVENTIONAL ACTIVATED SLUDGE                          * T.PHOS:    6.80       32.71  * T.PHOS:   1.37       6.59 *    8         3
PHOSPHORUS REMOVAL-CONTINUOUS                          *                               *
                                                       *
                                                       *              WATERCOURSE: MUSKOKA RIVER
                                                       *
                                                       *         REMEDIAL MEASURE: EXPANSION/UPGRADING



    LAKEFIELD
                    110001462
    VILLAGE                         2300               *  B O D:   82.00      116.93  *  B O D:  12.00      17.11 *   12
LAKEFIELD LAGOON                                       *                               *                             *
      CAPACITY (MIGD):    (   .350)       (    .314 ) *    S S :  110.00      156.86  *    S S :  26.00      37.08 *   12         4
      1000 CUBIC METRES:     1.591              1.426  *                               *                             *
CONVENTIONAL LAGOON SEASONAL                           * T.PHOS:    4.90        6.99  * T.PHOS:   0.89       1.27 *   10         1
PHOSPHORUS REMOVAL-CONTINUOUS                          *                               *
                                                       *
                                                       *              WATERCOURSE: OTONABEE RIVER
                                                       *
                                                       *         REMEDIAL MEASURE: PROCESS/EQUIPMENT IMPROVEMENTS



    LINDSAY
                    110000383
    TOWN                           13950               *  B O D:   99.00    1,846.55  *  B O D:   5.50     102.59 *   12
LINDSAY LAGOON                                         *                               *                             *
      CAPACITY (MIGD):    (  3.780)       (   4.103 ) *    S S :  100.00    1,865.20  *    S S :   7.80     145.49 *   12
      1000 CUBIC METRES:    17.184             18.652  *                               *                             *
CONVENTIONAL LAGOON CONTINUOUS                         * T.PHOS:    3.90       72.74  * T.PHOS:   0.50       9.33 *   12         1
AERATED CELL                                           *                               *
PHOSPHORUS REMOVAL-CONTINUOUS                          *
                                                       *              WATERCOURSE: SCUGOG RIVER
                                                       *
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                                           CENTRAL       -  REGION

                                  1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

*************************************************************** I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                          *                             *                             *              *
*  MUNICIPALITY   / WORKSNUMBER   POP.   AVG DAY FLOW *          ANNUAL  AVERAGE      *          ANNUAL  AVERAGE     * MONTHS        *
*  EXISTING CAPACITY              SERVED    (MIGD)     *                              *                             *   OF   * MONTHS *
*  AND TREATMENT                           1000 CUBIC  *          CONC.     LOADING   *          CONC.     LOADING *EFFLUENT*EXCEEDED*
*                                          METRES      *         (MG/L)     KG/DAY    *         (MG/L)     KG/DAY  *  DATA  *        *
**************************************************************************************************************************************


    METRO TORONTO(HIGHLAND)
                     120000373
    CITY                   290000                 *  B O D:  181.00    29,555.85  *  B O D:  18.80   3,069.89 *   12        1
HIGHLAND CREEK WPCP (SCARBOROUGH)                 *                               *                           *
      CAPACITY (MIGD):   ( 48.000)      ( 35.924 ) *  S S :  205.00    33,474.86  *  S S :   16.50   2,694.32 *   12        1
      1000 CUBIC METRES:  218.208         163.292  *                               *                           *
CONVENTIONAL ACTIVATED SLUDGE                      * T.PHOS:    5.40       881.78  * T.PHOS:   0.76     124.10 *   12
PHOSPHORUS REMOVAL-CONTINUOUS                      *                               *
                                                   *
                                                   *               WATERCOURSE: HIGHLAND CREEK
                                                   *


    METRO TORONTO(HUMBER)
                     120000382
    CITY                   660000                 *  B O D:  264.00    99,820.51  *  B O D:  11.50   4,348.24 *   12
HUMBER WPCP (ETOBICOKE)                            *                               *                           *
      CAPACITY (MIGD):    ( 90.000)      ( 83.184 ) *  S S :  325.00   122,885.10  *  S S :   18.10   6,843.75 *   12        2
      1000 CUBIC METRES:  409.140         378.108  *                               *                           *
CONVENTIONAL ACTIVATED SLUDGE                      * T.PHOS:    8.80     3,327.35  * T.PHOS:   1.07     404.58 *   12        6
PHOSPHORUS REMOVAL-CONTINUOUS                      *                               *
                                                   *
                                                   *               WATERCOURSE: LAKE ONTARIO
                                                   *


    METRO TORONTO(MAIN)
                     120000391
    CITY                  1200000                 *  B O D:  167.00   114,200.11  *  B O D:  22.30  15,249.48 *   12        4
MAIN WPCP (TORONTO)                                *                               *                           *
      CAPACITY (MIGD):    (180.000)     ( 150.443 ) *  S S :  195.00   133,347.44  *  S S :   26.00  17,779.66 *   12        5
      1000 CUBIC METRES:  818.280         683.833  *                               *                           *
CONVENTIONAL ACTIVATED SLUDGE                      * T.PHOS:    5.80     3,966.23  * T.PHOS:   1.09     745.38 *   12        7
PHOSPHORUS REMOVAL-CONTINUOUS                      *                               *
                                                   *
                                                   *               WATERCOURSE: LAKE ONTARIO
                                                   *
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                                        CENTRAL        -  REGION

                               1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

***************************************************************** I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                       *                          *                          *                   *
*  MUNICIPALITY   / WORKSNUMBER   POP.    AVG DAY FLOW *          ANNUAL AVERAGE   *          ANNUAL AVERAGE  * MONTHS            *
*  EXISTING CAPACITY              SERVED     (MIGD)    *                           *                          *   OF    * MONTHS  *
*  AND TREATMENT                            1000 CUBIC *          CONC.   LOADING  *          CONC.   LOADING *EFFLUENT*EXCEEDED*
*                                           METRES     *          (MG/L)  KG/DAY   *          (MG/L)  KG/DAY  *  DATA  *          *
***********************************************************************************************************************************


   METRO TORONTO(N.TORONTO)
                 120000364
   CITY                          55000                 * B O D: 120.00   4,164.96  * B O D: 15.00     520.62 *   12          1
NORTH TORONTO WPCP (EAST YORK)                         *                           *                          *
     CAPACITY (MIGD):   ( 10.000)          (   7.636 ) *  S S : 154.00   5,345.03  *  S S :  6.70     232.54 *   12
     1000 CUBIC METRES:   45.460              34.708   *                           *                          *
CONVENTIONAL ACTIVATED SLUDGE                          * T.PHOS:   5.00    173.54  * T.PHOS:  0.84      29.15 *   12          2
PHOSPHORUS REMOVAL-CONTINUOUS                          *                           *
                                                       *
                                                       *                WATERCOURSE: DON RIVER
                                                       *



   MIDLAND
                 110000463
   TOWN                          12000                 * B O D:  67.00    730.77   * B O D:  3.00      32.72 *   11
MIDLAND WPCP                                           *                           *                          *
     CAPACITY (MIGD):   (  3.000)          (   2.400 ) *  S S : 131.00   1,428.82  *  S S :  6.40      69.80 *   11
     1000 CUBIC METRES:   13.638              10.907   *                           *                          *
CONVENTIONAL ACTIVATED SLUDGE                          * T.PHOS:   4.40     47.99  * T.PHOS:  0.57       6.22 *   11
PHOSPHORUS REMOVAL-CONTINUOUS                          *                           *
                                                       *
                                                       *                WATERCOURSE: MIDLAND BAY
                                                       *



   MILLBROOK                 *MIN*
                 110002238
   VILLAGE                         902                 * B O D:  89.00     80.55   * B O D:  4.40       3.98 *   12
MILLBROOK WPCP                                         *                           *                          *
     CAPACITY (MIGD):   (   .250)          (    .199 ) *  S S :  62.00     56.11   *  S S :  7.30       6.61 *   12
     1000 CUBIC METRES:    1.137                .905   *                           *                          *
EXTENDED AERATION                                      * T.PHOS:   4.40      3.98  * T.PHOS:  0.26       0.24 *   12
PHOSPHORUS REMOVAL-CONTINUOUS                          *                           *
                                                       *
                                                       *                WATERCOURSE: BAXTER CREEK
                                                       *
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                                                 CENTRAL       -  REGION

                                         1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

***************************************************************** I N F L U E N T ************* E F F L U E N T ****** COMPLIANCE ***
*                                                     *                              *                           *                  *
*  MUNICIPALITY   / WORKSNUMBER  POP.   AVG DAY FLOW *         ANNUAL AVERAGE       *        ANNUAL AVERAGE     * MONTHS           *
*  EXISTING CAPACITY             SERVED    (MIGD)    *                              *                           *   OF    * MONTHS *
*  AND TREATMENT                         1000 CUBIC  *         CONC.    LOADING     *        CONC.    LOADING  *EFFLUENT*EXCEEDED*
*                                        METRES      *         (MG/L)   KG/DAY      *        (MG/L)   KG/DAY   *  DATA  *         *
*************************************************************************************************************************************


    MILTON              **
                   120001014
    TOWN                          23203              *  B O D:  206.00    2,523.50  *  B O D:   2.90      35.53 *   12
MILTON WPCP                                          *                              *                           *
      CAPACITY (MIGD):   (  2.840)          (  2.695 ) *   S S :  216.00    2,646.00  *   S S :   2.30      28.18 *   12
      1000 CUBIC METRES:   12.911             12.250   *                              *                           *
CONVENTIONAL ACTIVATED SLUDGE                        * T.PHOS:   10.00      122.50  * T.PHOS:   0.21       2.57 *   12
PHOSPHORUS REMOVAL-CONTINUOUS                        *                              *
EFFLUENT POLISHING                                   *
                                                     *                 WATERCOURSE: OAKVILLE CREEK
                                                     *



    MISSISSAUGA (CLARKSON)      *MIN*
                   110001328
    CITY                         120000              *  B O D:  161.00   11,463.52  *  B O D:  11.50     818.82 *   12
CLARKSON WPCP SOUTH-PEEL SYSTEM                      *                              *                           *
      CAPACITY (MIGD):   ( 24.000)          ( 15.664 ) *   S S :  182.00   12,958.76  *   S S :   9.50     676.42 *   12
      1000 CUBIC METRES:  109.104             71.202   *                              *                           *
CONVENTIONAL ACTIVATED SLUDGE                        * T.PHOS:    8.00      569.62  * T.PHOS:   0.90      64.08 *   12         2
PHOSPHORUS REMOVAL-CONTINUOUS                        *                              *
                                                     *
                                                     *                 WATERCOURSE: LAKE ONTARIO
                                                     *



    MISSISSAUGA (LAKEVIEW)      *MIN*
                   110001284
    CITY                         370000              *  B O D:  274.00   63,161.66  *  B O D:  16.50   3,803.53 *   12
LAKEVIEW WPCP SOUTH-PEEL SYSTEM                      *                              *                           *
      CAPACITY (MIGD):   ( 62.500)          ( 50.714 ) *   S S :  257.00   59,242.87  *   S S :  15.60   3,596.07 *   12         2
      1000 CUBIC METRES:  284.125            230.517   *                              *                           *
CONVENTIONAL ACTIVATED SLUDGE                        * T.PHOS:    8.30    1,913.29  * T.PHOS:   0.66     152.14 *   12         1
PHOSPHORUS REMOVAL-CONTINUOUS                        *                              *
                                                     *
                                                     *                 WATERCOURSE: LAKE ONTARIO
                                                     *
                                                 CENTRAL       - REGION

                                        1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

**************************************************************** I N F L U E N T ************* E F F L U E N T ****** COMPLIANCE ***
*                                                     *                              *                            *                  *
*  MUNICIPALITY   / WORKSNUMBER   POP.   AVG DAY FLOW *         ANNUAL AVERAGE       *        ANNUAL AVERAGE      * MONTHS           *
*  EXISTING CAPACITY              SERVED     (MIGD)   *                              *                            *   OF    * MONTHS *
*  AND TREATMENT                          1000 CUBIC  *         CONC.     LOADING    *        CONC.     LOADING   *EFFLUENT*EXCEEDED*
*                                         METRES      *        (MG/L)     KG/DAY     *        (MG/L)    KG/DAY    *  DATA  *         *
**************************************************************************************************************************************


    MUSKOKA LAKES (BALA)  **
                   120000792
    TOWNSHIP                       111                * B O D:    7.00         0.66  * B O D:  8.40        0.79 *   7         6
BALA WPCP                                             *                              *                          *
      CAPACITY (MIGD):   (    .020)        (     .021 ) *  S S :   10.00         0.94  *  S S : 15.40        1.45 *   7         7
      1000 CUBIC METRES:      .091               .094 *                              *                          *
COMMUNAL SEPTIC TANK                                  * T.PHOS:    1.20         0.11  * T.PHOS:  1.04        0.10 *   6         2
PHOSPHORUS REMOVAL-CONTINUOUS                         *                              *
EFFLUENT FILTRATION                                   *
                                                      *                  WATERCOURSE: LONG LAKE
                                                      *



    MUSKOKA LAKES (P.CARL)**
                   110002229
    TOWNSHIP                       707                * B O D:  135.00        51.98  * B O D:  1.70        0.65 *   8
PORT CARLING WPCP                                     *                              *                          *
      CAPACITY (MIGD):   (    .120)        (     .085 ) *  S S :  199.00        76.62  *  S S :  1.70        0.65 *   8
      1000 CUBIC METRES:      .546               .385 *                              *                          *
EXTENDED AERATION                                     * T.PHOS:    5.10         1.96  * T.PHOS:  0.26        0.10 *   8
PHOSPHORUS REMOVAL-CONTINUOUS                         *                              *
EFFLUENT POLISHING                                    *
                                                      *                  WATERCOURSE: INDIAN RIVER
                                                      *



    NEWCASTLE (GRAHAM CREEK)
                   110001569
    TOWN                          1866                * B O D:  110.00       112.42  * B O D:  4.90        5.01 *  11
GRAHAM CREEK WPCP (NEWCASTLE)                         *                              *                          *
      CAPACITY (MIGD):   (    .400)        (     .225 ) *  S S :  112.00       114.46  *  S S :  6.30        6.44 *  12
      1000 CUBIC METRES:     1.818              1.022 *                              *                          *
EXTENDED AERATION                                     * T.PHOS:    6.10         6.23  * T.PHOS:  3.26        3.33 *   9
                                                      *                              *
                                                      *
                                                      *                  WATERCOURSE: LAKE ONTARIO
                                                      *
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                                                CENTRAL       -  REGION

                                       1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

**************************************************************** I N F L U E N T ************* E F F L U E N T ****** COMPLIANCE ***
*                                                     *                              *                          *                 *
*  MUNICIPALITY   / WORKSNUMBER   POP.   AVG DAY FLOW *          ANNUAL  AVERAGE     *        ANNUAL  AVERAGE   * MONTHS          *
*  EXISTING CAPACITY              SERVED    (MIGD)    *                              *                          *   OF    * MONTHS *
*  AND TREATMENT                         1000 CUBIC   *          CONC.    LOADING    *        CONC.    LOADING *EFFLUENT*EXCEEDED*
*                                        METRES       *         (MG/L)    KG/DAY     *       (MG/L)    KG/DAY  *  DATA  *        *
***********************************************************************************************************************************


    NEWCASTLE (SOPER CR.1)
                   120000060
    TOWN                               0              *  B O D:   0.00        0.00  *  B O D:   0.00       0.00 *
SOPER CREEK 1 WPCP STANDBY (BOWMANVILLE)              *                              *                          *
      CAPACITY (MIGD):   (    .500)        (     .000 ) *   S S :   0.00        0.00  *   S S :   0.00       0.00 *
      1000 CUBIC METRES:    2.273                .000 *                              *                          *
TRICKLING FILTER                                      * T.PHOS:   0.00        0.00  * T.PHOS:   0.00       0.00 *
PHOSPHORUS REMOVAL-CONTINUOUS                         *                              *
                                                      *
                                                      *                  WATERCOURSE: SOPER CREEK
                                                      *



    NEWCASTLE (SOPER CR.2)
                   120000051
    TOWN                               0              *  B O D:   0.00        0.00  *  B O D:   0.00       0.00 *
SOPER CREEK 2 WPCP STANDBY (BOWMANVILLE)              *                              *                          *
      CAPACITY (MIGD):   (  1.000)         (     .000 ) *   S S :   0.00        0.00  *   S S :   0.00       0.00 *
      1000 CUBIC METRES:    4.546                .000 *                              *                          *
CONVENTIONAL ACTIVATED SLUDGE                         * T.PHOS:   0.00        0.00  * T.PHOS:   0.00       0.00 *
PHOSPHORUS REMOVAL-CONTINUOUS                         *                              *
                                                      *
                                                      *                  WATERCOURSE: SOPER CREEK
                                                      *



    NEWCASTLE(PORT DARLINGT)
                   120003076
    TOWN                           12831              *  B O D: 143.00    1,153.01  *  B O D:  13.30     107.24 *   11
PORT DARLINGTON WPCP                                  *                              *                          *
      CAPACITY (MIGD):   (  1.000)         (   1.774 ) *   S S : 185.00    1,491.66  *   S S :  14.00     112.88 *   12
      1000 CUBIC METRES:    4.546              8.063  *                              *                          *
CONVENTIONAL ACTIVATED SLUDGE                         * T.PHOS:   6.60       53.22  * T.PHOS:   0.90       7.26 *   12        3
PHOSPHORUS REMOVAL-CONTINUOUS                         *                              *
                                                      *
                                                      *                  WATERCOURSE: LAKE ONTARIO
                                                      *
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                                        CENTRAL       -  REGION

                              1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

*************************************************************** I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                             *                       *                       *                  *
*  MUNICIPALITY   / WORKSNUMBER   POP.   AVG DAY FLOW *          ANNUAL  AVERAGE      *         ANNUAL  AVERAGE   * MONTHS         *
*  EXISTING CAPACITY              SERVED     (MIGD)     *                               *                           *   OF    * MONTHS *
*  AND TREATMENT                          1000 CUBIC   *          CONC.     LOADING    *         CONC.     LOADING *EFFLUENT*EXCEEDED*
*                                          METRES      *         (MG/L)     KG/DAY     *         (MG/L)    KG/DAY  *  DATA  *        *
************************************************************************************************************************************


   NORWOOD                  *MIN*
                   110001499
   VILLAGE                         1082              *  B O D:   35.00        19.32  *  B O D:   6.40        3.53 *   10
NORWOOD WPCP                                         *                               *
     CAPACITY (MIGD):   (   .160)        (    .121 ) *   S S :   37.00        20.42  *   S S :   7.70        4.25 *   10
     1000 CUBIC METRES:     .727              .552   *                               *
OXIDATION DITCH                                      * T.PHOS:    2.90         1.60  * T.PHOS:   0.75        0.41 *   10       2
PHOSPHORUS REMOVAL-CONTINUOUS                        *                               *
                                                     *
                                                     *               WATERCOURSE: OUSE RIVER
                                                     *


   OAKVILLE (SE)
                   120000998
   TOWN                           21900              *  B O D:  164.00     2,180.54  *  B O D:   2.40       31.91 *   12
SOUTH EAST WPCP                                      *                               *
     CAPACITY (MIGD):   ( 5.000)         (   2.925 ) *   S S :  223.00     2,965.01  *   S S :   9.00      119.66 *   12       1
     1000 CUBIC METRES:  22.730             13.296   *                               *
CONVENTIONAL ACTIVATED SLUDGE                        * T.PHOS:    8.40       111.69  * T.PHOS:   0.78       10.37 *   12       2
PHOSPHORUS REMOVAL-CONTINUOUS                        *                               *
                                                     *
                                                     *               WATERCOURSE: LAKE ONTARIO
                                                     *


   OAKVILLE (SW)
                   120001005
   TOWN                           58200              *  B O D:  217.00     6,287.14  *  B O D:   6.40      185.43 *   11
SOUTH WEST WPCP                                      *                               *
     CAPACITY (MIGD):   ( 10.500)        (   6.374 ) *   S S :  233.00     6,750.71  *   S S :  15.20      440.39 *   11       2
     1000 CUBIC METRES:  47.733             28.973   *                               *
CONVENTIONAL ACTIVATED SLUDGE                        * T.PHOS:    8.50       246.27  * T.PHOS:   0.91       26.37 *   11       3
PHOSPHORUS REMOVAL-CONTINUOUS                        *                               *
                                                     *
                                                     *               WATERCOURSE: LAKE ONTARIO
                                                     *
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                                   CENTRAL       -  REGION

                            1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

**************************************************************** I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                          *                                  *                                *                    *
*  MUNICIPALITY    / WORKSNUMBER    POP.   AVG DAY FLOW *          ANNUAL  AVERAGE         *         ANNUAL  AVERAGE     * MONTHS             *
*  EXISTING CAPACITY                SERVED    (MIGD)     *                                  *                                *   OF    * MONTHS *
*  AND TREATMENT                              1000 CUBIC  *          CONC.     LOADING      *         CONC.     LOADING *EFFLUENT*EXCEEDED*
*                                             METRES      *         (MG/L)     KG/DAY       *        (MG/L)     KG/DAY  *  DATA  *        *
************************************************************************************************************************************


    OMEMEE                    *MIN*
                      110001630
    VILLAGE                         672                   *  B O D:  185.00          55.32  *  B O D:  20.20         6.04 *    3
OMEMEE LAGOON                                             *                                 *                              *
      CAPACITY (MIGD):    (     .135)          (      .066 ) *   S S :  273.00          81.63  *   S S :  27.60         8.25 *    3          1
      1000 CUBIC METRES:      .614                    .299    *                                 *                              *
LAGOON AND SPRAY                                          * T.PHOS:     9.80           2.93  * T.PHOS:   3.50         1.05 *    3
                                                          *                                 *
                                                          *
                                                          *                   WATERCOURSE: NO DISC.TO SURFACE WATER
                                                          *



    ORILLIA
                      120000569
    CITY                          24000                   *  B O D:  130.00       2,499.64  *  B O D:  18.40       353.80 *   12          3
ORILLIA WPCP                                              *                                 *                              *
      CAPACITY (MIGD):    (  4.000)           (   4.230 ) *   S S :  141.00       2,711.15  *   S S :  19.70       378.79 *   12          3
      1000 CUBIC METRES:   18.184              19.228     *                                 *                              *
CONVENTIONAL ACTIVATED SLUDGE                             * T.PHOS:     3.10          59.61  * T.PHOS:   0.57        10.96 *   12          3
PHOSPHORUS REMOVAL-CONTINUOUS                             *                                 *
                                                          *
                                                          *                   WATERCOURSE: LAKE SIMCOE
                                                          *



    OSHAWA (HARM.CR.1+2 EFF)
                      120003254
    CITY                              0                   *  B O D:     0.00           0.00  *  B O D:  19.10     1,052.58 *   11          1
HARMONY CREEK 1&2 COMBINED EFFLUENT                       *                                 *                              *
      CAPACITY (MIGD):    (     .000)         (  12.124 ) *   S S :     0.00           0.00  *   S S :  17.00       936.85 *   12          2
      1000 CUBIC METRES:      .000             55.109     *                                 *                              *
CONVENTIONAL ACTIVATED SLUDGE                             * T.PHOS:     0.00           0.00  * T.PHOS:   0.61        33.62 *   12
TRICKLING FILTER                                          *                                 *
PHOSPHORUS REMOVAL-CONTINUOUS                             *
                                                          *                   WATERCOURSE: L ONT.(COMBINED EFF.1&2)
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                                         CENTRAL      -  REGION

                              1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

************************************************************ I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                          *                             *                            *                    *
*  MUNICIPALITY   / WORKSNUMBER   POP.   AVG DAY FLOW *          ANNUAL AVERAGE      *         ANNUAL AVERAGE    * MONTHS             *
*  EXISTING CAPACITY              SERVED    (MIGD)    *                              *                            *   OF     * MONTHS  *
*  AND TREATMENT                          1000 CUBIC  *          CONC.     LOADING   *         CONC.    LOADING  *EFFLUENT*EXCEEDED*
*                                          METRES     *         (MG/L)     KG/DAY    *         (MG/L)   KG/DAY   *  DATA  *         *
********************************************************************************************************************************


   OSHAWA (HARMONY CR.1)
                   120000774
   CITY                          102938               * B O D: 160.00   4,330.40 *  B O D:  0.00        0.00 *
HARMONY CR WPCP NO 1                                   *                           *                            *
      CAPACITY (MIGD):   (  7.500)        (   5.954 ) *  S S :  198.00   5,358.87 *   S S :  0.00        0.00 *
      1000 CUBIC METRES:   34.095             27.065  *                           *                            *
TRICKLING FILTER                                       * T.PHOS:   6.30     170.51 * T.PHOS:  0.00        0.00 *
PHOSPHORUS REMOVAL-CONTINUOUS                          *                           *
                                                       *
                                                       *                 WATERCOURSE:
                                                       *



   OSHAWA (HARMONY CR.2)
                   120001657
   CITY                           51469               * B O D: 151.00   4,106.90 *  B O D:  0.00        0.00 *
HARMONY CR WPCP NO 2                                   *                           *                            *
      CAPACITY (MIGD):   (  7.500)        (   5.984 ) *  S S :  182.00   4,950.04 *   S S :  0.00        0.00 *
      1000 CUBIC METRES:   34.095             27.198  *                           *                            *
CONVENTIONAL ACTIVATED SLUDGE                          * T.PHOS:   6.50     176.79 * T.PHOS:  0.00        0.00 *
PHOSPHORUS REMOVAL-CONTINUOUS                          *                           *
                                                       *
                                                       *                 WATERCOURSE:
                                                       *



   PENETANGUISHENE
                   120000541
   TOWN                            4300               * B O D:  80.00     244.16 *  B O D:  9.50       28.99 *   11
PENETANGUISHENE WPCP                                   *                           *                            *
      CAPACITY (MIGD):   (   .660)        (    .671 ) *  S S :  143.00     436.44 *   S S :  7.80       23.81 *   11
      1000 CUBIC METRES:    3.000              3.052  *                           *                            *
CONTACT STABILIZATION                                  * T.PHOS:   4.20      12.82 * T.PHOS:  0.40        1.22 *   11
PHOSPHORUS REMOVAL-CONTINUOUS                          *                           *
                                                       *
                                                       *                 WATERCOURSE: PENETANG BAY
                                                       *
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                                             CENTRAL       -  REGION

                                1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

****************************************************************** I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                      *                                *                            *                  *
*  MUNICIPALITY   / WORKSNUMBER   POP.   AVG DAY FLOW *          ANNUAL  AVERAGE        *         ANNUAL  AVERAGE    * MONTHS           *
*  EXISTING CAPACITY              SERVED    (MIGD)     *                                *                            *   OF    * MONTHS *
*  AND TREATMENT                           1000 CUBIC  *          CONC.      LOADING    *         CONC.     LOADING  *EFFLUENT*EXCEEDED*
*                                          METRES      *          (MG/L)     KG/DAY     *         (MG/L)    KG/DAY   *  DATA  *         *
*********************************************************************************************************************************************


    PETERBOROUGH
                    120000676
    CITY                          61063                * B O D:   74.00    4,177.45  * B O D:  12.60     711.30 *   12
PETERBOROUGH WPCP                                      *                             *                           *
      CAPACITY (MIGD):   ( 15.000)        (  12.419 ) *   S S :   66.00    3,725.83  *   S S :   6.90     389.52 *   12
      1000 CUBIC METRES:   68.190            56.452    *                             *                           *
CONVENTIONAL ACTIVATED SLUDGE                          * T.PHOS:    3.00      169.36  * T.PHOS:   0.81      45.73 *   11          3
PHOSPHORUS REMOVAL-CONTINUOUS                          *                             *
                                                       *
                                                       *                WATERCOURSE: OTONABEE RIVER
                                                       *



    PICKERING (DUFFIN CREEK)
                    120001915
    TOWN                          64386                * B O D:  144.00   21,600.43  * B O D:  14.20   2,130.04 *   11
DUFFIN CREEK WPCP (YORK-DURHAM)                        *                             *                           *
      CAPACITY (MIGD):   ( 40.000)        (  33.001 ) *   S S :  251.00   37,650.75  *   S S :  15.50   2,325.05 *   12
      1000 CUBIC METRES:  181.840           150.003    *                             *                           *
CONVENTIONAL ACTIVATED SLUDGE                          * T.PHOS:    6.10      915.02  * T.PHOS:   1.05     157.50 *   12          5
PHOSPHORUS REMOVAL-CONTINUOUS                          *                             *
                                                       *
                                                       *                WATERCOURSE: LAKE ONTARIO
                                                       *



    PORT HOPE
                    120000079
    TOWN                          10274                * B O D:  108.00    1,037.56  * B O D:   5.70      54.76 *   12
PORT HOPE WPCP                                         *                             *                           *
      CAPACITY (MIGD):   (  2.000)        (   2.114 ) *   S S :   57.00      547.60  *   S S :   5.30      50.92 *   12
      1000 CUBIC METRES:    9.092             9.607    *                             *                           *
HIGH RATE                                              * T.PHOS:    1.90       18.25  * T.PHOS:   0.56       5.38 *   12
PHOSPHORUS REMOVAL-CONTINUOUS                          *                             *
                                                       *
                                                       *                WATERCOURSE: LAKE ONTARIO
                                                       *
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                                      CENTRAL       - REGION

                              1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

*************************************************************** I N F L U E N T ************* E F F L U E N T ****** COMPLIANCE ***
*                                                    *                             *                             *                  *
*  MUNICIPALITY    / WORKSNUMBER    POP.   AVG DAY FLOW *        ANNUAL  AVERAGE      *         ANNUAL  AVERAGE     * MONTHS           *
*  EXISTING CAPACITY                SERVED    (MIGD)    *                             *                             *   OF   * MONTHS *
*  AND TREATMENT                             1000 CUBIC *          CONC.    LOADING   *          CONC.    LOADING   *EFFLUENT*EXCEEDED*
*                                             METRES    *          (MG/L)   KG/DAY    *          (MG/L)   KG/DAY    *  DATA  *        *
**************************************************************************************************************************************


   PORT MCNICOLL            *MIN*
                    110001417
   VILLAGE                        1400               * B O D:   84.00       98.11  * B O D:  19.00      22.19 *   12           4
PORT MCNICOLL WPCP                                   *                             *                            *
     CAPACITY (MIGD):  (   .230)        (     .257 ) *  S S :   85.00       99.28  *  S S :  20.10      23.48 *   12           4
     1000 CUBIC METRES:    1.046              1.168  *                             *                            *
CONTACT STABILIZATION                                * T.PHOS:    3.90        4.56  * T.PHOS:   0.89       1.04 *   12           1
PHOSPHORUS REMOVAL-CONTINUOUS                        *                             *
                                                     *
                                                     *               WATERCOURSE: GEORGIAN BAY
                                                     *
                                                     *          REMEDIAL MEASURE: COLLECTION SYSTEM UNDER STUDY



   SCUGOG (NONQUON RIVER)
                    110001257
   TOWNSHIP                       5215               * B O D:  168.00      397.66  * B O D:   6.00      14.20 *    4
NONQUON RIVER LAGOON (PORT PERRY)                    *                             *                            *
     CAPACITY (MIGD):  (   .700)        (     .521 ) *  S S :  154.00      364.52  *  S S :  10.10      23.91 *    5
     1000 CUBIC METRES:    3.182              2.367  *                             *                            *
CONVENTIONAL LAGOON SEASONAL                         * T.PHOS:    6.90       16.33  * T.PHOS:   0.36       0.85 *    5
PHOSPHORUS REMOVAL-CONTINUOUS                        *                             *
EFFLUENT CHLORINATION                                *
                                                     *               WATERCOURSE: LAKE SCUGOG
                                                     *



   SMITH (WOODLAND ACRES)     *MIN*
                    110002381
   TOWNSHIP                        430               * B O D:   37.00       12.17  * B O D:   1.70       0.56 *   12
WOODLAND ACRES WPCP                                  *                             *                            *
     CAPACITY (MIGD):  (   .080)        (     .072 ) *  S S :   47.00       15.46  *  S S :   4.00       1.32 *   12
     1000 CUBIC METRES:     .364               .329  *                             *                            *
EXTENDED AERATION                                    * T.PHOS:    2.20        0.72  * T.PHOS:   1.49       0.49 *   12
                                                     *                             *
                                                     *
                                                     *               WATERCOURSE: OTONABEE R.
                                                     *
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                                          CENTRAL       -  REGION

                                  1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

******************************************************************* I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                         *                               *                              *                *
*  MUNICIPALITY   / WORKSNUMBER   POP.   AVG DAY FLOW *          ANNUAL AVERAGE        *         ANNUAL AVERAGE      * MONTHS         *
*  EXISTING CAPACITY              SERVED    (MIGD)     *                                *                              *   OF   * MONTHS *
*  AND TREATMENT                          1000 CUBIC   *          CONC.    LOADING     *          CONC.    LOADING   *EFFLUENT*EXCEEDED*
*                                         METRES       *         (MG/L)    KG/DAY      *         (MG/L)    KG/DAY    *  DATA  *        *
***************************************************************************************************************************************


    STAYNER
                    110000695
    TOWN                          2400                 *  B O D:  964.00    1,241.63  *  B O D:  31.90      41.09 *    4        2
STAYNER LAGOON                                         *                              *                            *
      CAPACITY (MIGD):   (   .230)        (     .283 ) *   S S :  323.00      416.02  *   S S :  35.10      45.21 *    4        1
      1000 CUBIC METRES:    1.046              1.288   *                              *                            *
AERATED CELL PLUS LAGOON                               * T.PHOS:    8.90       11.46  * T.PHOS:   0.78       1.00 *    4        1
SEASONAL DISCHARGE                                     *                              *
PHOSPHORUS REMOVAL - BATCH                             *
                                                       *              WATERCOURSE: LAMONT CREEK
                                                       *
                                                       *          REMEDIAL MEASURE: EXPANSION/UPGRADING



    TOTTENHAM
                    120000523
    VILLAGE                       3000                 *  B O D:  101.00      148.07  *  B O D:   0.00       0.00 *
TOTTENHAM LAGOON                                       *                              *                            *
      CAPACITY (MIGD):   (   .190)        (     .323 ) *   S S :  126.00      184.72  *   S S :   0.00       0.00 *
      1000 CUBIC METRES:     .864              1.466   *                              *                            *
CONVENTIONAL LAGOON SEASONAL                           * T.PHOS:    5.80        8.50  * T.PHOS:   0.00       0.00 *
PHOSPHORUS REMOVAL - BATCH                             *                              *
                                                       *
                                                       *              WATERCOURSE: BEETON CREEK
                                                       *



    UXBRIDGE               **
                    120000756
    TOWNSHIP                      4550                 *  B O D:  152.00      242.14  *  B O D:   8.40      13.38 *   12
UXBRIDGE BROOK WPCP                                    *                              *                            *
      CAPACITY (MIGD):   (   .800)        (     .350 ) *   S S :  130.00      207.09  *   S S :   5.20       8.28 *   12
      1000 CUBIC METRES:    3.637              1.593   *                              *                            *
EXTENDED AERATION                                      * T.PHOS:    5.40        8.60  * T.PHOS:   0.17       0.27 *   12
PHOSPHORUS REMOVAL-CONTINUOUS                          *                              *
EFFLUENT POLISHING                                     *
                                                       *              WATERCOURSE: UXBRIDGE BROOK
                                                       *
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                                                   CENTRAL      -  REGION

                                        1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES


******************************************************************* I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                        *                              *                            *                  *
*  MUNICIPALITY   / WORKSNUMBER  POP.   AVG DAY FLOW *        ANNUAL  AVERAGE       *        ANNUAL  AVERAGE     * MONTHS           *
*  EXISTING CAPACITY             SERVED    (MIGD)    *                              *                            *   OF    * MONTHS *
*  AND TREATMENT                          1000 CUBIC *        CONC.     LOADING     *        CONC.    LOADING    *EFFLUENT*EXCEEDED*
*                                          METRES    *       (MG/L)     KG/DAY      *        (MG/L)   KG/DAY     *  DATA  *         *
*****************************************************************************************************************************************


    VAUGHAN (KLEINBURG)
                        120000417
    TOWN                                900          * B O D: 159.00       31.32  * B O D:   4.70        0.93 *   11
KLEINBURG WPCP                                       *                            *                           *
      CAPACITY (MIGD):   (   .050)      (     .043 ) *  S S : 208.00       40.98  *  S S :  11.80        2.32 *   11
      1000 CUBIC METRES:     .227              .197  *                            *                           *
EXTENDED AERATION                                    * T.PHOS:   7.80        1.54  * T.PHOS:  4.48        0.88 *   11
                                                     *                            *
                                                     *
                                                     *                 WATERCOURSE: HUMBER RIVER
                                                     *



    VICTORIA HARBOUR      **   *MIN*
                        120003227
    VILLAGE                            1455          * B O D:  72.00       31.97  * B O D:   2.20        0.98 *   12
VICTORIA HARBOUR WPCP                                *                            *                           *
      CAPACITY (MIGD):   (   .520)      (     .098 ) *  S S :  78.00       34.63  *  S S :   1.90        0.84 *   12
      1000 CUBIC METRES:    2.364              .444  *                            *                           *
EXTENDED AERATION                                    * T.PHOS:   3.40        1.51  * T.PHOS:  0.24        0.11 *   12
PHOSPHORUS REMOVAL-CONTINUOUS                        *                            *
EFFLUENT POLISHING                                   *
                                                     *                 WATERCOURSE: GEORGIAN BAY
                                                     *



    WASAGA BEACH          **   *MIN*                 *                                          NO 1985 DISCHARGE
                        120001862
    TOWN                               3090          * B O D:  81.00       82.38  * B O D:   0.00        0.00 *
WASAGA BEACH WPCP (SUM.POP.SERV.73000)               *                            *                           *
      CAPACITY (MIGD):   (  1.270)      (     .224 ) *  S S :  67.00       68.14  *  S S :   0.00        0.00 *
      1000 CUBIC METRES:    5.773             1.017  *                            *                           *
EXTENDED AERATION                                    * T.PHOS:   3.90        3.97  * T.PHOS:  0.00        0.00 *
EFFLUENT POLISHING                                   *                            *
EXFILTRATION                                         *
                                                     *                 WATERCOURSE: NO DISC.TO SURFACE WATER
                                                     *
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                                   CENTRAL       -  REGION

                          1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

****************************************************************** I N F L U E N T ************* E F F L U E N T ****** COMPLIANCE ***
*                                                        *                               *                               *              *
*  MUNICIPALITY    / WORKSNUMBER   POP.   AVG DAY FLOW  *          ANNUAL  AVERAGE       *          ANNUAL  AVERAGE      * MONTHS       *
*  EXISTING CAPACITY               SERVED    (MIGD)     *                                *                               *   OF   * MONTHS *
*  AND TREATMENT                            1000 CUBIC  *          CONC.    LOADING      *          CONC.    LOADING    *EFFLUENT*EXCEEDED*
*                                            METRES     *          (MG/L)   KG/DAY       *          (MG/L)   KG/DAY     *  DATA  *        *
*****************************************************************************************************************************************


    WHITBY (CORBETT CREEK)
                       120000738
    TOWN                           26100                * B O D: 158.00    2,130.95  * B O D:   9.90     133.52 *  12         1
CORBETT CREEK  WPCP                                     *                            *                          *
      CAPACITY (MIGD):    (  8.000)        (   2.967 ) *  S S : 170.00    2,292.79  *  S S :  13.00     175.33 *  12
      1000 CUBIC METRES:    36.368             13.487   *                            *                          *
CONVENTIONAL ACTIVATED SLUDGE                           * T.PHOS:   4.80       64.74 * T.PHOS:   0.58       7.82 *  12
PHOSPHORUS REMOVAL-CONTINUOUS                           *                            *
                                                        *
                                                        *              WATERCOURSE: LAKE ONTARIO
                                                        *



    WHITBY (PRINGLE CREEK 1)
                       120000747
    TOWN                           10925                * B O D: 105.00      576.87  * B O D:  19.20     105.48 *  12         2
PRINGLE CREEK WPCP NO 1                                 *                            *                          *
      CAPACITY (MIGD):    (  1.250)        (   1.209 ) *  S S : 179.00      983.43  *  S S :  14.50      79.66 *  12         2
      1000 CUBIC METRES:     5.683              5.494   *                            *                          *
CONVENTIONAL ACTIVATED SLUDGE                           * T.PHOS:   2.70       14.83 * T.PHOS:   0.70       3.85 *  12         2
PHOSPHORUS REMOVAL-CONTINUOUS                           *                            *
                                                        *
                                                        *              WATERCOURSE: PRINGLE CREEK
                                                        *



    WHITBY (PRINGLE CREEK 2)
                       120003101
    TOWN                           10925                * B O D: 105.00      686.60  * B O D:  19.50     127.51 *  12         3
PRINGLE CREEK WPCP NO 2                                 *                            *                          *
      CAPACITY (MIGD):    (  2.000)        (   1.439 ) *  S S : 179.00    1,170.48  *  S S :  14.50      94.82 *  12         3
      1000 CUBIC METRES:     9.092              6.539   *                            *                          *
CONVENTIONAL ACTIVATED SLUDGE                           * T.PHOS:   2.70       17.66 * T.PHOS:   0.93       6.08 *  12         5
PHOSPHORUS REMOVAL-CONTINUOUS                           *                            *
                                                        *
                                                        *              WATERCOURSE: PRINGLE CREEK
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CENTRAL - REGION

1985 DATA - MUNICIPAL WASTEWATER TREATMENT FACILITIES

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************************************************************* I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                           *                              *                              *                   *
*  MUNICIPALITY   / WORKSNUMBER   POP.    AVG DAY FLOW *           ANNUAL  AVERAGE        *         ANNUAL  AVERAGE      * MONTHS            *
*  EXISTING CAPACITY              SERVED     (MIGD)     *                                  *                              *   OF    * MONTHS *
*  AND TREATMENT                           1000 CUBIC   *          CONC.     LOADING       *         CONC.     LOADING    *EFFLUENT*EXCEEDED*
*                                            METRES     *          (MG/L)    KG/DAY        *         (MG/L)    KG/DAY     *  DATA  *        *
****************************************************************************************************************************************


    WHITCHURCH(STOUFFVILLE**
                   120000408
    TOWN                     5500                     *  B O D:  138.00      439.53  *  B O D:   2.50       7.96 *    4
STOUFFVILLE WPCP                                      *                              *                          *
      CAPACITY (MIGD):   (   .850)        (    .701 ) *   S S :  122.00      388.57  *   S S :   7.40      23.57 *    4
      1000 CUBIC METRES:    3.864            3.185    *                              *                          *
CONVENTIONAL ACTIVATED SLUDGE                         * T.PHOS:    6.00       19.11  * T.PHOS:   0.51       1.62 *    4
PHOSPHORUS REMOVAL-CONTINUOUS                         *                              *
EFFLUENT POLISHING                                    *
                                                      *              WATERCOURSE: DUFFIN CREEK
                                                      *
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CENTRAL REGION

WASTEWATER TREATMENT

REGIONAL MUNICIPALITIES

REGIONAL MUNICIPALITIES	CAPACITY	
	$1000m^3$	MIGD
DURHAM	324.6	71.4
HALTON	194.8	42.8
METROPOLITAN TORONTO	1491.0	328.0
PEEL	397.8	87.5
YORK	8.1	1.8
DISTRICT MUNICIPALITY OF MUSKOKA	11.4	2.5
TOTAL	2427.7	534.9

REGIONAL MUNICIPALITY OF DURHAM

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE	CAPACITY MIGD ($1000M^3$)	POPULATION SERVED	OPERATED BY
BROCK (BEAVERTON R.2) TOWNSHIP BEAVERTON RIVER 2 LAGOON (CANNINGTON) 110001248	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL-CONTINUOUS	BEAVERTON RIVER	.203 (.923)	1835	MUNICIPALITY
BROCK (BEAVERTON R.1) ** TOWNSHIP BEAVERTON RIVER 1 LAGOON (SUNDERLAND) 120003496	CONVENTIONAL LAGOON CONTINUOUS EXFILTRATION LAGOON	NO DISC.TO SURFACE WATER	.167 (.759)	875	MUNICIPALITY
BROCK (LAKE SIMCOE) TOWNSHIP LAKE SIMCOE LAGOON (BEAVERTON) 110000908	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL-CONTINUOUS	LAKE SIMCOE	.382 (1.737)	2570	MUNICIPALITY
NEWCASTLE (GRAHAM CREEK) TOWN GRAHAM CREEK WPCP (NEWCASTLE) 110001569	EXTENDED AERATION	LAKE ONTARIO	.400 (1.818)	1866	MUNICIPALITY
NEWCASTLE (SOPER CR.1) TOWN SOPER CREEK 1 WPCP STANDBY (BOWMANVILLE) 120000060	TRICKLING FILTER PHOSPHORUS REMOVAL-CONTINUOUS	SOPER CREEK	.500 (2.273)	0	MUNICIPALITY
NEWCASTLE (SOPER CR.2) TOWN SOPER CREEK 2 WPCP STANDBY (BOWMANVILLE) 120000051	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	SOPER CREEK	1.000 (4.546)	0	MUNICIPALITY
NEWCASTLE(PORT DARLINGT) TOWN PORT DARLINGTON WPCP 120003076	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	LAKE ONTARIO	1.000 (4.546)	12831	MUNICIPALITY
OSHAWA (HARMONY CR.1) CITY HARMONY CR WPCP NO 1 120000774	TRICKLING FILTER PHOSPHORUS REMOVAL-CONTINUOUS		7.500 (34.095)	102938	MUNICIPALITY
OSHAWA (HARMONY CR.2) CITY HARMONY CR WPCP NO 2 120001657	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS		7.500 (34.095)	51469	MUNICIPALITY

REGIONAL MUNICIPALITY OF DURHAM

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (1000M^3)	POPULATION SERVED	OPERATED BY
PICKERING (DUFFIN CREEK) TOWN DUFFIN CREEK WPCP (YORK-DURHAM) 120001915	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	LAKE ONTARIO	40.000 (181.840)	64386	MUNICIPALITY
SCUGOG (NONQUON RIVER) TOWNSHIP NONQUON RIVER LAGOON (PORT PERRY) 110001257	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL-CONTINUOUS EFFLUENT CHLORINATION	LAKE SCUGOG	.700 (3.182)	5215	MUNICIPALITY
UXBRIDGE ** TOWNSHIP UXBRIDGE BROOK WPCP 120000756	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS EFFLUENT POLISHING	UXBRIDGE BROOK	.800 (3.637)	4550	MUNICIPALITY
WHITBY (CORBETT CREEK) TOWN CORBETT CREEK WPCP 120000738	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	LAKE ONTARIO	8.000 (36.368)	26100	MUNICIPALITY
WHITBY (PRINGLE CREEK 1) TOWN PRINGLE CREEK WPCP NO 1 120000747	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	PRINGLE CREEK	1.250 (5.683)	10925	MUNICIPALITY
WHITBY (PRINGLE CREEK 2) TOWN PRINGLE CREEK WPCP NO 2 120003101	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	PRINGLE CREEK	2.000 (9.092)	10925	MUNICIPALITY
		TOTAL CAPACITY:	71.402 (324.593)		

REGIONAL MUNICIPALITY OF HALTON

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (1000M^3)	POPULATION SERVED	OPERATED BY
BURLINGTON (SKYWAY) CITY SKYWAY WPCP 110000070	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	HAMILTON HARBOUR	20.500 (93.193)	120100	MUNICIPALITY
HALTON HILLS (ACTON) ** TOWN ACTON WPCP + LAGOON 120001023	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL - BATCH EFFLUENT POLISHING	BLACK CREEK	1.000 (4.546)	7478	MUNICIPALITY
HALTON HILLS (GEORGT.)** TOWN GEORGETOWN WPCP 110000294	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS EFFLUENT POLISHING	SILVER CREEK	3.000 (13.638)	20100	MUNICIPALITY
MILTON ** TOWN MILTON WPCP 120001014	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS EFFLUENT POLISHING	OAKVILLE CREEK	2.840 (12.911)	23203	MUNICIPALITY
OAKVILLE (SE) TOWN SOUTH EAST WPCP 120000998	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	LAKE ONTARIO	5.000 (22.730)	21900	MUNICIPALITY
OAKVILLE (SW) TOWN SOUTH WEST WPCP 120001005	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	LAKE ONTARIO	10.500 (47.733)	58200	MUNICIPALITY
		TOTAL CAPACITY	42.840 (194.751)		

METROPOLITAN TORONTO

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD ($1000M^3$)	POPULATION SERVED	OPERATED BY
METRO TORONTO(HIGHLAND) CITY HIGHLAND CREEK WPCP (SCARBOROUGH) 120000373	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	HIGHLAND CREEK	48.000 (218.208)	290000	MUNICIPALITY
METRO TORONTO(HUMBER) CITY HUMBER WPCP (ETOBICOKE) 120000382	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	LAKE ONTARIO	90.000 (409.140)	660000	MUNICIPALITY
METRO TORONTO(MAIN) CITY MAIN WPCP (TORONTO) 120000391	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	LAKE ONTARIO	180.000 (818.280)	1200000	MUNICIPALITY
METRO TORONTO(N.TORONTO) CITY NORTH TORONTO WPCP (EAST YORK) 120000364	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	DON RIVER	10.000 (45.460)	55000	MUNICIPALITY
		TOTAL CAPACITY	328.000 (1,491.088)		

REGIONAL MUNICIPALITY OF PEEL

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (1000M^3)	POPULATION SERVED	OPERATED BY
CALEDON (BOLTON) ** TOWN BOLTON WPCP PHASED OUT OCT 1985 120000694	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS EFFLUENT POLISHING	HUMBER RIVER	1.000 (4.546)	7939	MUNICIPALITY
MISSISSAUGA (CLARKSON) CITY CLARKSON WPCP SOUTH-PEEL SYSTEM 110001328	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	LAKE ONTARIO	24.000 (109.104)	120000	MINISTRY
MISSISSAUGA (LAKEVIEW) CITY LAKEVIEW WPCP SOUTH-PEEL SYSTEM 110001284	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	LAKE ONTARIO	62.500 (284.125)	370000	MINISTRY
		TOTAL CAPACITY	87.500 (397.775)		

REGIONAL MUNICIPALITY OF YORK

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD $(1000M^3)$	POPULATION SERVED	OPERATED BY
EAST GWILLIMBURY (HOLL.L TOWN HOLLAND LANDING LAGOON 120001620	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL-CONTINUOUS	HOLLAND RIVER	.300 (1.364)	2200	MUNICIPALITY
EAST GWILLIMBURY(M.ALB** TOWN MOUNT ALBERT WPCP 120001853	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS EFFLUENT POLISHING	MOUNT ALBERT CREEK	.150 (.682)	1100	MUNICIPALITY
GEORGINA (KESWICK) TOWNSHIP KESWICK WPCP 120001755	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS	COOK BAY(L.SIMCOE)	2.655 (12.070)	8000	MUNICIPALITY
GEORGINA (SUTTON) TOWNSHIP SUTTON WPCP 110001168	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS	BLACK RIVER	.450 (2.046)	2650	MUNICIPALITY
VAUGHAN (KLEINBURG) TOWN KLEINBURG WPCP 120000417	EXTENDED AERATION	HUMBER RIVER	.050 (.227)	900	MUNICIPALITY
WHITCHURCH(STOUFFVILLE** TOWN STOUFFVILLE WPCP 120000408	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS EFFLUENT POLISHING	DUFFIN CREEK	.850 (3.864)	5500	MUNICIPALITY
		TOTAL CAPACITY	4.455 (20.252)		

REGIONAL MUNICIPALITY OF MUSKOKA

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (1000M^3)	POPULATION SERVED	OPERATED BY
BRACEBRIDGE ** TOWN BRACEBRIDGE WPCP 110000034	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS EFFLUENT POLISHING	MUSKOKA RIVER	.702 (3.191)	5765	MUNICIPALITY
GRAVENHURST TOWN GRAVENHURST WPCP (DUAL OPERATION) 120000809	CONVENTIONAL ACTIVATED SLUDGE EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS	MUSKOKA LAKE	.670 (3.046)	4274	MUNICIPALITY
HUNTSVILLE TOWN HUNTSVILLE WPCP 110000347	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	MUSKOKA RIVER	1.000 (4.546)	5856	MUNICIPALITY
MUSKOKA LAKES (BALA) ** TOWNSHIP BALA WPCP 120000792	COMMUNAL SEPTIC TANK PHOSPHORUS REMOVAL-CONTINUOUS EFFLUENT FILTRATION	LONG LAKE	.020 (.091)	111	MUNICIPALITY
MUSKOKA LAKES (P.CARL)** TOWNSHIP PORT CARLING WPCP 110002229	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS EFFLUENT POLISHING	INDIAN RIVER	.120 (.546)	707	MUNICIPALITY
		TOTAL CAPACITY	2.512 (11.420)		

CENTRAL REGION

AREA WASTEWATER TREATMENT SYSTEMS

TOTAL AREA WASTEWATER TREATMENT SYSTEMS	TOTAL CAPACITY	
	$1000m^3$	MIGD
THREE	2066.9	454.5

SYSTEM: METRO TORONTO POLLUTION CONTROL SYSTEM

Number of Plants: Four
Operated by: Metro Toronto Department of Works
Number of Municipalities Served: Eight

PLANT LOCATION	TREATMENT	CAPACITY	MUNICIPALITIES SERVED	WATERCOURSE
East York Borough - North Toronto WPCP 120000391	Conv. Act. Sludge Phosphorus Removal	10.0 MIGD (45.46 $1000m^3/d$)	North York City Toronto City East York Borough	Don River
ETOBICOKE CITY - Humber WPCP 120000382	Conv. Act. Sludge Phosphorus Removal	90.0 MIGD (409.1 $1000m^3/d$)	North York City Etobicoke City York City Vaughan Town	Lake Ontario
SCARBOROUGH CITY - Highland Creek WPCP 120000373	Conv. Act. Sludge Phosphorus Removal	48.0 MIGD (218.21 $1000m^3/d$)	Scarborough City Markham Town	Highland Creek
TORONTO CITY - Main WPCP 120000391	Conv. Act. Sludge Phosphorus Removal	180.0 MIGD (818.3 $1000m^3/d$)	North York City Toronto City East York Borough Scarborough City Markham Town	Lake Ontario

SYSTEM: SOUTH PEEL POLLUTION CONTROL SYSTEM

Number of Plants: Two
Operated by: Ministry of the Environment
Number of Municipalities Served: Three

PLANT LOCATION	TREATMENT	CAPACITY	MUNICIPALITIES SERVED	SOURCE
MISSISSAUGA - Clarkson WPCP 110001328	Conv. Act. Sludge Phosphorus Removal	24.0 MIGD (109.1 1000m^3/d)	Brampton City Mississauga City	Lake Ontario
MISSISSAUGA - Lakeview WPCP 110001284	Conv. Act. Sludge Phosphorus Removal	62.5 MIGD (285.0 1000m^3/d)	Brampton City Mississauga City Etobicoke Borough Caledon Town	

SYSTEM: YORK/DURHAM POLLUTION CONTROL SYSTEM

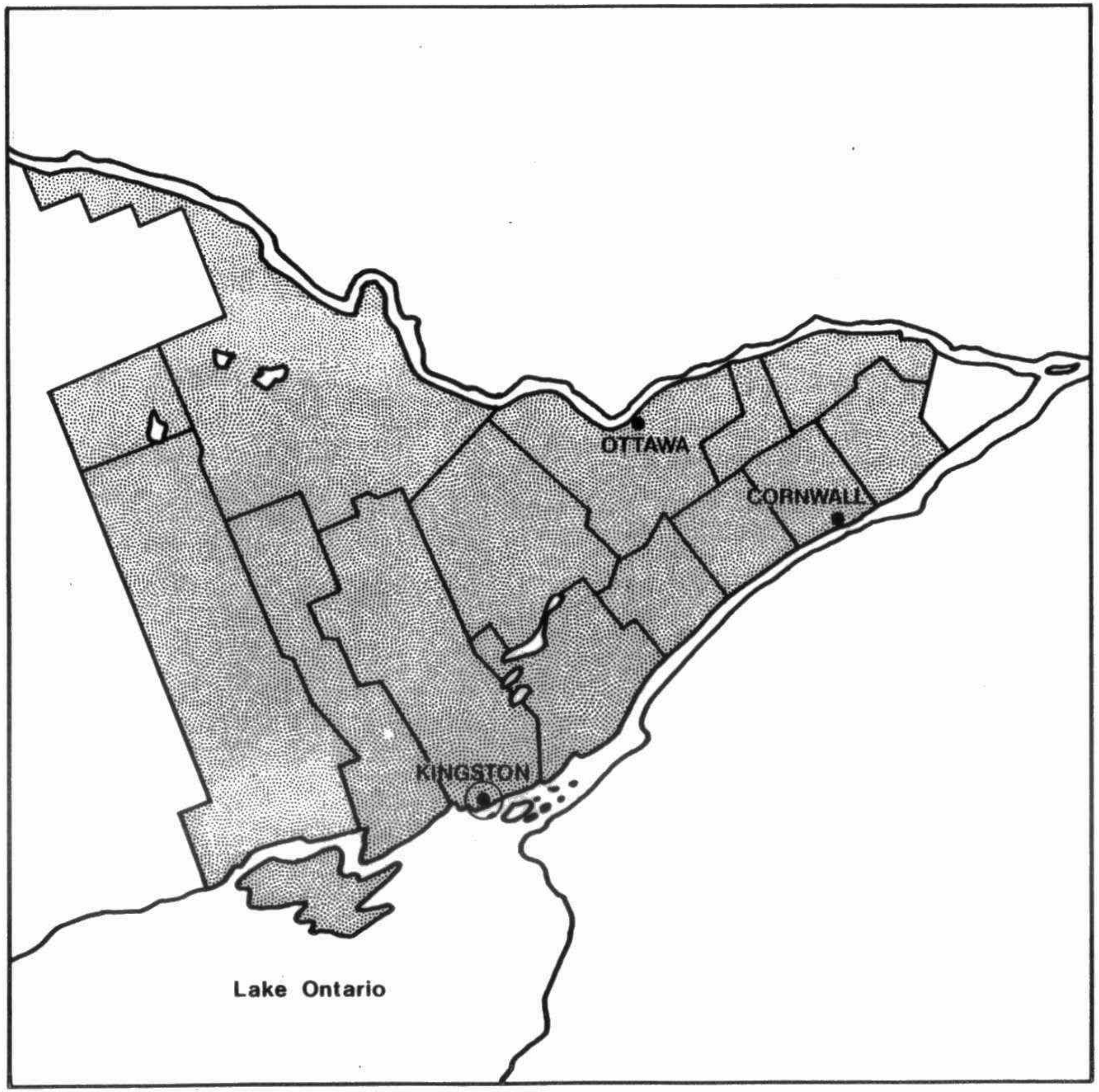
Number of Plants: One
Operated by: Regional Municipality of Durham
Number of Municipalities Served: Seven

PLANT LOCATION	TREATMENT	CAPACITY	MUNICIPALITIES SERVED	SOURCE
PICKERING TOWN - York-Durham WPCP 120001915	Conv. Act. Sludge Phosphorus Removal	40.0 MIGD (181.8 1000m^3/d)	Ajax Town Aurora Town Pickering Town Markham Town Newmarket Town Richmond Hill Town Vaughan Town	Lake Ontario

Southeastern Region

④

Ministry of the Environment
Ontario



Southeastern Region

④

Ministry
of the
Environment

Ontario

REGIONAL OFFICE

Kingston
133 Dalton Street
K7L 4X6
613 549-4000

DISTRICT OFFICES

Cornwall
4 Montreal Rd.
K6H 1B1
613 933-7402

Kingston
133 Dalton St.
K7L 4X6
613 549-4000

Ottawa
2378 Holly Lane
K1V 7P1
613 521-3450

SUB-OFFICE

Belleville
15 Victoria Ave.
K8N 1Z5
613 962-9208

Pembroke
1000 MacKay St.
K8B 1A3
613 732-3643

SOUTHEASTERN REGION SUMMARY

TREATMENT TYPE	<----------- NUMBER	-------------->		<---------- ** CAPACITY MIGD **	$(1000M^3)$	------------->
	MINISTRY	MUNICIPAL	TOTAL	MINISTRY	MUNICIPAL	TOTAL
COMMUNAL SEPTIC TANK	0	1	1	.000	.008	.008 (.036)
PRIMARY	3	12	15	10.500	110.451	120.951 (549.843)
CONVENTIONAL ACTIVATED SLUDGE	4	3	7	21.125	8.800	29.925 (136.039)
MODIFIED ACTIVATED SLUDGE	1	0	1	2.700	.000	2.700 (12.274)
CONTACT STABILIZATION	1	1	2	.300	1.000	1.300 (5.910)
EXTENDED AERATION	10	5	15	1.683	1.146	2.829 (12.861)
HIGH RATE	1	0	1	1.200	.000	1.200 (5.455)
CONVENTIONAL LAGOON ANNUAL	2	0	2	.364	.000	.364 (1.655)
CONVENTIONAL LAGOON CONTINUOUS	0	1	1	.000	1.300	1.300 (5.910)
CONVENTIONAL LAGOON SEASONAL	12	3	15	2.757	1.120	3.877 (17.625)
LAGOON AND SPRAY	1	0	1	.074	.000	.074 (.336)
AERATED CELL PLUS LAGOON	3	0	3	3.435	.000	3.435 (15.616)
**** TOTALS ****	38	26	64	44.138 (200.651)	123.825 (562.908)	167.963 (763.560)

** MIGD: MILLIONS OF IMPERIAL GALLONS PER DAY

$1000M^3$:THOUSANDS OF CUBIC METRES

CONVERSION FACTOR

1 MIGD = 4.546 $1000M^3$

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                                                 SOUTHEASTERN  -  REGION

                                        1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

*************************************************************** I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                      *                             *                             *                  *
*  MUNICIPALITY   / WORKSNUMBER   POP.   AVG DAY FLOW  *         ANNUAL  AVERAGE     *        ANNUAL  AVERAGE      * MONTHS           *
*  EXISTING CAPACITY              SERVED     (MIGD)    *                             *                             *   OF    * MONTHS *
*  AND TREATMENT                          1000 CUBIC   *        CONC.     LOADING    *        CONC.     LOADING    *EFFLUENT*EXCEEDED*
*                                          METRES      *        (MG/L)    KG/DAY     *        (MG/L)    KG/DAY     *  DATA  *         *
***************************************************************************************************************************************


    ALEXANDRIA               *MIN*
                   110000846
    TOWN                          3616                 *  B O D:  128.00      708.35  *  B O D:  17.80      98.51 *   10        1
ALEXANDRIA LAGOON                                      *                              *                           *
      CAPACITY (MIGD):    (  1.500)        (    1.217 ) *   S S :  110.00      608.74  *   S S :  32.70     180.96 *   10        4
      1000 CUBIC METRES:     6.819              5.534   *                              *                           *
AERATED CELL PLUS LAGOON                               * T.PHOS:    3.10       17.16  * T.PHOS:   0.75       4.15 *   12        2
CONTINUOUS DISCHARGE                                   *                              *
PHOSPHORUS REMOVAL-CONTINUOUS                          *
                                                       *              WATERCOURSE: DELISLE R
                                                       *
                                                       *           REMEDIAL MEASURE: EXPANSION/UPGRADING


    ALFRED                   *MIN*
                   110001836
    VILLAGE                       1055                 *  B O D:  164.00       79.38  *  B O D:   9.30       4.50 *    1
ALFRED LAGOON                                          *                              *                           *
      CAPACITY (MIGD):    (   .157)        (     .106 ) *   S S :  224.00      108.42  *   S S :  22.00      10.65 *    1
      1000 CUBIC METRES:      .714               .484   *                              *                           *
CONVENTIONAL LAGOON SEASONAL                           * T.PHOS:    9.60        4.65  * T.PHOS:   3.00       1.45 *    1
                                                       *                              *
                                                       *
                                                       *              WATERCOURSE: RUISSEAU DES ATOCAS
                                                       *


    ALMONTE                  *MIN*
                   110000873
    TOWN                          4003                 *  B O D:  180.00      390.42  *  B O D:  10.70      23.21 *    4
ALMONTE LAGOON                                         *                              *                           *
      CAPACITY (MIGD):    (  1.200)        (     .477 ) *   S S :  233.00      505.38  *   S S :  25.50      55.31 *    4        3
      1000 CUBIC METRES:     5.455              2.169   *                              *                           *
AERATED CELL PLUS LAGOON                               * T.PHOS:    7.40       16.05  * T.PHOS:   1.32       2.86 *    4        3
SEASONAL DISCHARGE                                     *                              *
PHOSPHORUS REMOVAL - BATCH                             *
                                                       *              WATERCOURSE: MISSISSIPPI RIVER
                                                       *
                                                       *           REMEDIAL MEASURE: MAINENANCE/OPERATION UPGRADING
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SOUTHEASTERN - REGION

1985 DATA - MUNICIPAL WASTEWATER TREATMENT FACILITIES

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****************************************************************** I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                          *                               *                             *             *
*  MUNICIPALITY   / WORKSNUMBER    POP.    AVG DAY FLOW *          ANNUAL AVERAGE        *          ANNUAL AVERAGE    * MONTHS      *
*  EXISTING CAPACITY               SERVED     (MIGD)     *                               *                             *   OF   * MONTHS *
*  AND TREATMENT                           1000 CUBIC   *          CONC.     LOADING     *          CONC.    LOADING *EFFLUENT*EXCEEDED*
*                                           METRES      *          (MG/L)    KG/DAY      *          (MG/L)   KG/DAY  *  DATA  *        *
*************************************************************************************************************************************


    ARNPRIOR
                      120000621
    TOWN                           5800                 *  B O D:  151.00      813.89  *  B O D:  90.70     488.87 *    9        2
ARNPRIOR WPCP                                           *                              *                           *
      CAPACITY (MIGD):   ( 1.500)        (   1.186 )    *   S S :  130.00      700.70  *   S S :  37.60     202.66 *    9        8
      1000 CUBIC METRES:    6.819            5.390      *                              *                           *
PRIMARY                                                 * T.PHOS:    4.00       21.56  * T.PHOS:   1.17       6.31 *    9        6
PHOSPHORUS REMOVAL-CONTINUOUS                           *                              *
                                                        *
                                                        *           WATERCOURSE: MADAWASKA  RIVER
                                                        *
                                                        *       REMEDIAL MEASURE: MAINENANCE/OPERATION UPGRADING


    BANCROFT
                      110001239
    VILLAGE                        2095                 *  B O D:   89.00      101.19  *  B O D:   3.80       4.32 *   11
BANCROFT WPCP                                           *                              *                           *
      CAPACITY (MIGD):   (  .400)        (    .250 )    *   S S :  117.00      133.03  *   S S :   5.50       6.25 *   12
      1000 CUBIC METRES:    1.818            1.137      *                              *                           *
EXTENDED AERATION                                       * T.PHOS:    4.80        5.46  * T.PHOS:   2.70       3.07 *   11
                                                        *                              *
                                                        *
                                                        *           WATERCOURSE: YORK RIVER
                                                        *


    BARRY'S BAY             *MIN*
                      110001854
    VILLAGE                        1413                 *  B O D:  196.00       79.38  *  B O D:   4.20       1.70 *   12
BARRY'S BAY WPCP                                        *                              *                           *
      CAPACITY (MIGD):   (  .273)        (    .089 )    *   S S :  265.00      107.33  *   S S :  11.80       4.78 *   12
      1000 CUBIC METRES:    1.241             .405      *                              *                           *
EXTENDED AERATION                                       * T.PHOS:    9.50        3.85  * T.PHOS:   0.52       0.21 *   12
PHOSPHORUS REMOVAL-CONTINUOUS                           *                              *
                                                        *
                                                        *           WATERCOURSE: KAMANISKEG LAKE
                                                        *
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                                                 SOUTHEASTERN  -  REGION

                                        1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

**************************************************************** I N F L U E N T ************* E F F L U E N T ****** COMPLIANCE ***
*                                                     *                              *                           *                 *
*  MUNICIPALITY   / WORKSNUMBER   POP.   AVG DAY FLOW *           ANNUAL AVERAGE     *          ANNUAL AVERAGE   * MONTHS          *
*  EXISTING CAPACITY              SERVED    (MIGD)    *                              *                           *   OF   * MONTHS *
*  AND TREATMENT                         1000 CUBIC   *           CONC.    LOADING   *          CONC.    LOADING *EFFLUENT*EXCEEDED*
*                                         METRES      *          (MG/L)    KG/DAY    *          (MG/L)   KG/DAY  *  DATA  *        *
************************************************************************************************************************************


    BATH
                       120000177
    VILLAGE                         1500              *  B O D:  281.00      326.52  *  B O D:   6.30       7.32 *   12
BATH WPCP                                             *                              *                           *
      CAPACITY (MIGD):   (   .256)        (    .256 ) *   S S :  226.00      262.61  *   S S :  18.40      21.38 *   12        3
      1000 CUBIC METRES:    1.164             1.162   *                              *                           *
EXTENDED AERATION                                     * T.PHOS:   15.20       17.66  * T.PHOS:   2.72       3.16 *   12
                                                      *                              *
                                                      *
                                                      *                   WATERCOURSE: LAKE ONTARIO
                                                      *



    BELLEVILLE                *MIN*
                       110000016
    CITY                           35351              *  B O D:  149.00    5,963.13  *  B O D:  22.50     900.47 *   12        4
BELLEVILLE WPCP (163500 M3/D.PRIMARY)                 *                              *                           *
      CAPACITY (MIGD):   ( 12.000)        (   8.805 ) *   S S :  104.00    4,162.18  *   S S :  12.60     504.26 *   12        5
      1000 CUBIC METRES:   54.552            40.021   *                              *                           *
CONVENTIONAL ACTIVATED SLUDGE                         * T.PHOS:    3.70      148.08  * T.PHOS:   0.47      18.81 *   12
PHOSPHORUS REMOVAL-CONTINUOUS                         *                              *
                                                      *
                                                      *                   WATERCOURSE: BAY OF QUINTE
                                                      *



    BROCKVILLE
                       120000122
    CITY                           20169              *  B O D:   77.00    1,347.65  *  B O D:  21.90     383.29 *   12
BROCKVILLE WPCP                                       *                              *                           *
      CAPACITY (MIGD):   (  5.625)        (   3.850 ) *   S S :  132.00    2,310.26  *   S S :  20.90     365.79 *   12
      1000 CUBIC METRES:   25.571            17.502   *                              *                           *
PRIMARY                                               * T.PHOS:    4.40       77.01  * T.PHOS:   0.87      15.23 *   12        3
PHOSPHORUS REMOVAL-CONTINUOUS                         *                              *
                                                      *
                                                      *                   WATERCOURSE: ST.LAWRENCE RIVER
                                                      *
                                        SOUTHEASTERN  -  REGION

                               1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

***************************************************************** I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                     *                              *                              *                 *
*  MUNICIPALITY   / WORKSNUMBER   POP.   AVG DAY FLOW *          ANNUAL  AVERAGE     *          ANNUAL  AVERAGE     * MONTHS          *
*  EXISTING CAPACITY              SERVED     (MIGD)   *                              *                              *   OF   * MONTHS *
*  AND TREATMENT                         1000 CUBIC   *          CONC.    LOADING    *          CONC.    LOADING    *EFFLUENT*EXCEEDED*
*                                          METRES     *          (MG/L)   KG/DAY     *          (MG/L)   KG/DAY     *  DATA  *        *
***************************************************************************************************************************************


    CARLETON PLACE            *MIN*
                   110000971
    TOWN                         5721                 *  B O D:   54.00      291.71  *  B O D:  20.40      110.20 *   12         4
CARLETON PLACE WPCP                                   *                              *                            *
      CAPACITY (MIGD):   (  1.200)        (   1.188 ) *   S S :   66.00      356.53  *   S S :  41.00      221.48 *   12         8
      1000 CUBIC METRES:    5.455             5.402   *                              *                            *
HIGH RATE                                             * T.PHOS:    3.40       18.37  * T.PHOS:   1.36        7.35 *   11         6
PHOSPHORUS REMOVAL-CONTINUOUS                         *                              *
                                                      *
                                                      *               WATERCOURSE: MISSISSIPPI RIVER
                                                      *
                                                      *          REMEDIAL MEASURE: EXPANSION/UPGRADING


    CASSELMAN                 *MIN*
                   110002201
    VILLAGE                      1366                 *  B O D:   76.00       51.53  *  B O D:   5.40        3.66 *    4
CASSELMAN LAGOON                                      *                              *                            *
      CAPACITY (MIGD):   (   .300)        (    .149 ) *   S S :   39.00       26.44  *   S S :  22.70       15.39 *    4         1
      1000 CUBIC METRES:    1.364              .678   *                              *                            *
CONVENTIONAL LAGOON SEASONAL                          * T.PHOS:    4.90        3.32  * T.PHOS:   2.10        1.42 *    4
                                                      *                              *
                                                      *
                                                      *               WATERCOURSE: S. NATION RIVER
                                                      *


    CHALK RIVER               *MIN*
                   110001587
    VILLAGE                       986                 *  B O D:  121.00       57.72  *  B O D:  16.30        7.78 *   12         1
CHALK RIVER WPCP                                      *                              *                            *
      CAPACITY (MIGD):   (   .080)        (    .105 ) *   S S :  199.00       94.92  *   S S :  27.70       13.21 *   12         4
      1000 CUBIC METRES:     .364              .477   *                              *                            *
EXTENDED AERATION                                     * T.PHOS:    6.80        3.24  * T.PHOS:   3.12        1.49 *   12
CONVERTIBLE OPERATING MODE                            *                              *
                                                      *
                                                      *               WATERCOURSE: DUCK CR TO DUCK LAKE
                                                      *
                                                      *          REMEDIAL MEASURE: MAINENANCE/OPERATION UPGRADING
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SOUTHEASTERN - REGION

1985 DATA - MUNICIPAL WASTEWATER TREATMENT FACILITIES

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****************************************************************** I N F L U E N T ************* E F F L U E N T ****** COMPLIANCE ***
*                                                  *                                  *                                 *                   *
*  MUNICIPALITY    / WORKSNUMBER   POP.   AVG DAY FLOW *          ANNUAL AVERAGE          *          ANNUAL AVERAGE         * MONTHS            *
*  EXISTING CAPACITY               SERVED    (MIGD)    *                                  *                                 *   OF    * MONTHS *
*  AND TREATMENT                          1000 CUBIC   *          CONC.      LOADING      *          CONC.      LOADING    *EFFLUENT*EXCEEDED*
*                                          METRES      *         (MG/L)      KG/DAY       *         (MG/L)      KG/DAY     *  DATA  *         *
*****************************************************************************************************************************************


   CHESTERVILLE              *MIN*
                 110000114
   VILLAGE                       1457                  *  B O D:   64.00       45.70  *  B O D:  29.30      20.92 *   3         1
CHESTERVILLE LAGOON                                    *                                *                           *
     CAPACITY (MIGD):   (   .226)        (    .157 ) *   S S :   77.00       54.98  *   S S :  30.60      21.85 *   3         1
     1000 CUBIC METRES:    1.027              .714    *                                *                           *
CONVENTIONAL LAGOON SEASONAL                           * T.PHOS:    4.40        3.14  * T.PHOS:   3.26       2.33 *   3
                                                       *                                *
                                                       *
                                                       *                 WATERCOURSE: SOUTH NATION RIVER
                                                       *



   COBDEN
                 120000596
   VILLAGE                       1035                  *  B O D:   73.00       47.52  *  B O D:   5.50       3.58 *   8         1
COBDEN WPCP                                            *                                *                           *
     CAPACITY (MIGD):   (   .150)        (    .143 ) *   S S :  108.00       70.31  *   S S :   8.70       5.66 *  12
     1000 CUBIC METRES:     .682              .651    *                                *                           *
EXTENDED AERATION                                      * T.PHOS:    4.80        3.12  * T.PHOS:   2.03       1.32 *   8         7
PHOSPHORUS REMOVAL-CONTINUOUS                          *                                *
                                                       *
                                                       *                 WATERCOURSE: MUSKRAT RIVER
                                                       *
                                                       *            REMEDIAL MEASURE: MAINENANCE/OPERATION UPGRADING


   CORNWALL (CORNWALL)       *MIN*
                 110000132
   CITY                         46800                  *  B O D:   72.00    3,431.95  *  B O D:  40.40   1,925.71 *  12         8
CORNWALL WPCP                                          *                                *                           *
     CAPACITY (MIGD):   (  8.250)        (  10.487 ) *   S S :  105.00    5,004.93  *   S S :  24.40   1,163.05 *  12         2
     1000 CUBIC METRES:   37.505            47.666    *                                *                           *
PRIMARY                                                * T.PHOS:    2.60      123.93  * T.PHOS:   0.99      47.19 *  12
PHOSPHORUS REMOVAL-CONTINUOUS                          *                                *
                                                       *
                                                       *                 WATERCOURSE: ST. LAWRENCE RIVER
                                                       *
                                                       *            REMEDIAL MEASURE: EXPANSION/UPGRADING
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                                                SOUTHEASTERN  -  REGION

                                         1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

***************************************************************** I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                      *                              *                           *                *
*  MUNICIPALITY   / WORKSNUMBER   POP.   AVG DAY FLOW *          ANNUAL AVERAGE      *         ANNUAL AVERAGE   * MONTHS          *
*  EXISTING CAPACITY              SERVED     (MIGD)    *                              *                           *   OF    * MONTHS *
*  AND TREATMENT                          1000 CUBIC   *          CONC.     LOADING   *         CONC.    LOADING *EFFLUENT*EXCEEDED*
*                                          METRES      *         (MG/L)     KG/DAY    *         (MG/L)   KG/DAY *  DATA  *          *
************************************************************************************************************************************


    CORNWALL (LONG SAULT)
                       120000131
    TOWNSHIP                        1300               *  B O D:   55.00       38.61  *  B O D:   8.80       6.18 *    5
LONG SAULT WPCP                                        *                              *                           *
      CAPACITY (MIGD):   (   .300)        (     .154 ) *   S S :   60.00       42.12  *   S S :  15.40      10.81 *    5
      1000 CUBIC METRES:    1.364               .702   *                              *                           *
CONVENTIONAL ACTIVATED SLUDGE                          * T.PHOS:    4.20        2.95  * T.PHOS:   2.26       1.59 *    5
                                                       *                              *
                                                       *
                                                       *                WATERCOURSE: ST.LAWRENCE RIVER
                                                       *



    DEEP RIVER
                       120000612
    TOWN                            4230               *  B O D:  154.00      270.12  *  B O D:  59.50     104.36 *   11
DEEP RIVER WPCP                                        *                              *                           *
      CAPACITY (MIGD):   (   .480)        (     .386 ) *   S S :  239.00      419.21  *   S S :  42.50      74.55 *   11
      1000 CUBIC METRES:    2.182              1.754   *                              *                           *
PRIMARY                                                * T.PHOS:    9.30       16.31  * T.PHOS:   4.12       7.23 *   11
                                                       *                              *
                                                       *
                                                       *                WATERCOURSE: OTTAWA RIVER
                                                       *



    DELORO
                       120000970
    VILLAGE                          231               *  B O D:   66.00              *  B O D:  67.80            *    9        7
DELORO WPCP                                            *                              *                           *
      CAPACITY (MIGD):   (   .008)        (          ) *   S S :   69.00              *   S S :  72.80            *    9        6
      1000 CUBIC METRES:     .036                      *                              *                           *
COMMUNAL SEPTIC TANK                                   * T.PHOS:    3.90              * T.PHOS:   5.01            *    9
                                                       *                              *
                                                       *
                                                       *                WATERCOURSE: MOIRA RIVER
                                                       *
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SOUTHEASTERN - REGION

1985 DATA - MUNICIPAL WASTEWATER TREATMENT FACILITIES

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*************************************************************** I N F L U E N T ************* E F F L U E N T ****** COMPLIANCE ***
*                                                     *                              *                          *                  *
*  MUNICIPALITY   / WORKSNUMBER   POP.   AVG DAY FLOW *        ANNUAL AVERAGE        *         ANNUAL AVERAGE   * MONTHS           *
*  EXISTING CAPACITY              SERVED    (MIGD)    *                              *                          *   OF    * MONTHS *
*  AND TREATMENT                         1000 CUBIC   *        CONC.     LOADING     *         CONC.    LOADING *EFFLUENT*EXCEEDED*
*                                         METRES      *       (MG/L)     KG/DAY      *        (MG/L)    KG/DAY  *  DATA  *         *
************************************************************************************************************************************


    DESERONTO                  *MIN*
                   110000980
    TOWN                          1732                * B O D: 131.00      149.21  * B O D:   6.00       6.83 *   12
DESERONTO WPCP                                        *                            *                          *
      CAPACITY (MIGD):  (   .300)        (     .251 ) *  S S : 132.00      150.35  *  S S :  12.10      13.78 *   12         1
      1000 CUBIC METRES:    1.364              1.139  *                            *                          *
EXTENDED AERATION                                     * T.PHOS:   4.00        4.56 * T.PHOS:   0.67       0.76 *   12         1
PHOSPHORUS REMOVAL-CONTINUOUS                         *                            *
                                                      *
                                                      *                WATERCOURSE: BAY OF QUINTE
                                                      *


    EGANVILLE                  *MIN*
                   110000141
    VILLAGE                       1219                * B O D: 136.00       72.08  * B O D:   3.70       1.96 *   12
EGANVILLE WPCP                                        *                            *                          *
      CAPACITY (MIGD):  (   .168)        (     .117 ) *  S S : 144.00       76.32  *  S S :   6.10       3.23 *   12
      1000 CUBIC METRES:     .764               .530  *                            *                          *
EXTENDED AERATION                                     * T.PHOS:   7.80        4.13 * T.PHOS:   3.90       2.07 *   12
                                                      *                            *
                                                      *
                                                      *                WATERCOURSE: BONNECHERE RIVER
                                                      *


    ERNESTOWN (AMHERSTVIEW)    *MIN*
                   110000196
    TOWNSHIP                      6772                * B O D: 124.00      357.74  * B O D:  15.60      45.01 *    5
AMHERSTVIEW LAGOON                                    *                            *                          *
      CAPACITY (MIGD):  (   .526)        (     .635 ) *  S S : 153.00      441.41  *  S S :  51.50     148.58 *    5         2
      1000 CUBIC METRES:    2.391              2.885  *                            *                          *
CONVENTIONAL LAGOON SEASONAL                          * T.PHOS:   6.70       19.33 * T.PHOS:   3.25       9.38 *    5
                                                      *                            *
                                                      *
                                                      *                WATERCOURSE: COLLINS CR. N.CHANNEL
                                                      *
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                                        SOUTHEASTERN  -  REGION

                                 1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

******************************************************************** I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                                *                              *                              *              *
*  MUNICIPALITY   / WORKSNUMBER   POP.   AVG DAY FLOW *         ANNUAL AVERAGE      *         ANNUAL AVERAGE   * MONTHS       *
*  EXISTING CAPACITY                SERVED     (MIGD)    *                              *                              *   OF    * MONTHS *
*  AND TREATMENT                              1000 CUBIC  *         CONC.     LOADING   *         CONC.     LOADING *EFFLUENT*EXCEEDED*
*                                             METRES     *         (MG/L)    KG/DAY    *         (MG/L)    KG/DAY  *  DATA  *        *
********************************************************************************************************************************************


    ERNESTOWN (ODESSA)          *MIN*
                       110002041
    TOWNSHIP                         973                 *  B O D:   41.00        42.56  *  B O D:   2.50        2.60 *   11
ODESSA WPCP                                              *                               *                             *
      CAPACITY (MIGD):   (    .200)          (    .228 ) *   S S :   56.00        58.13  *   S S :  10.90       11.31 *   11
      1000 CUBIC METRES:      .909               1.038   *                               *                             *
EXTENDED AERATION                                        * T.PHOS:    2.40         2.49  * T.PHOS:   1.02        1.06 *   11        6
PHOSPHORUS REMOVAL-CONTINUOUS                            *                               *
                                                         *
                                                         *               WATERCOURSE: MILLHAVEN CREEK
                                                         *



    FRANKFORD                   *MIN*
                       110000267
    VILLAGE                         1970                 *  B O D:  142.00       235.86  *  B O D:   5.90        9.80 *   12
FRANKFORD WPCP                                           *                               *                             *
      CAPACITY (MIGD):   (    .300)          (    .365 ) *   S S :   84.00       139.52  *   S S :  16.70       27.74 *   12        1
      1000 CUBIC METRES:     1.364               1.661   *                               *                             *
CONTACT STABILIZATION                                    * T.PHOS:    3.70         6.15  * T.PHOS:   0.78        1.30 *   12        1
PHOSPHORUS REMOVAL-CONTINUOUS                            *                               *
                                                         *
                                                         *               WATERCOURSE: TRENT RIVER
                                                         *



    GANANOQUE
                       110000285
    SEPARATED TOWN                  4900                 *  B O D:   52.00       256.15  *  B O D:   8.20       40.39 *   10
GANANOQUE LAGOON                                         *                               *                             *
      CAPACITY (MIGD):   (    .720)          (   1.084 ) *   S S :   94.00       463.04  *   S S :  11.50       56.65 *   10
      1000 CUBIC METRES:     3.273               4.926   *                               *                             *
CONVENTIONAL LAGOON SEASONAL                             * T.PHOS:    3.30        16.26  * T.PHOS:   2.18       10.74 *   10
                                                         *                               *
                                                         *
                                                         *               WATERCOURSE: STOCKING CR GANANOQUE R
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                                                 SOUTHEASTERN  -  REGION

                                   1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT  FACILITIES

*************************************************************** I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                    *                                *                             *             *
*  MUNICIPALITY   / WORKSNUMBER    POP.   AVG DAY FLOW *       ANNUAL  AVERAGE        *        ANNUAL  AVERAGE      * MONTHS      *
*  EXISTING CAPACITY                SERVED    (MIGD)   *                              *                             *   OF    * MONTHS *
*  AND TREATMENT                            1000 CUBIC *       CONC.      LOADING     *        CONC.     LOADING *EFFLUENT*EXCEEDED*
*                                            METRES    *       (MG/L)     KG/DAY      *        (MG/L)    KG/DAY  *  DATA  *       *
**********************************************************************************************************************************


   GLOUCESTER (GREEN CR.)
                  120000729
   CITY                            450000              * B O D:   74.00   29,550.64  * B O D:  34.90  13,936.72 *   12          5
GREEN CREEK WPCP                                       *                             *                          *
     CAPACITY (MIGD):   ( 80.000)         ( 87.853 ) *  S S :   76.00   30,349.31  *  S S :  28.80  11,500.79 *   12          8
     1000 CUBIC METRES:  363.680            399.333    *                             *                          *
PRIMARY                                                * T.PHOS:   3.30    1,317.80  * T.PHOS:   2.00      798.67 *   12          9
PHOSPHORUS REMOVAL-CONTINUOUS                          *                             *
                                                       *
                                                       *             WATERCOURSE: OTTAWA RIVER
                                                       *
                                                       *          REMEDIAL MEASURE: EXPANSION/UPGRADING



   GOULBOURN (MUNSTER)
                  120001522
   TOWNSHIP                          1300              * B O D:   39.00               * B O D:   5.50             *    7
MUNSTER LAGOON                                         *                              *                           *
     CAPACITY (MIGD):   (    .080)        (          ) *  S S :   66.00               *  S S :  14.10             *    7
     1000 CUBIC METRES:      .364                      *                              *                           *
CONVENTIONAL LAGOON SEASONAL                           * T.PHOS:   4.00               * T.PHOS:   1.66             *    7
SPRAY IRRIGATION                                       *                              *
                                                       *
                                                       *             WATERCOURSE: NO DISC.TO SURFACE WATER
                                                       *



   GOULBOURN (RICHMOND)
                  110001140
   TOWNSHIP                          1773              * B O D:   83.00      156.87  * B O D:   0.00       0.00 *
RICHMOND LAGOON (PHASED OUT 1986)                      *                             *                          *
     CAPACITY (MIGD):   (    .320)        (     .416 ) *  S S :  121.00      228.69  *  S S :   0.00       0.00 *
     1000 CUBIC METRES:    1.455              1.890    *                             *                          *
CONVENTIONAL LAGOON SEASONAL                           * T.PHOS:   6.30       11.91  * T.PHOS:   0.00       0.00 *
PHOSPHORUS REMOVAL - BATCH                             *                             *
                                                       *
                                                       *             WATERCOURSE: JOCK RIVER
                                                       *
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                                                SOUTHEASTERN  -  REGION

                                       1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

*************************************************************** I N F L U E N T ************* E F F L U E N T ****** COMPLIANCE ***
*                                                     *                             *                          *                  *
*  MUNICIPALITY   / WORKSNUMBER  POP.   AVG DAY FLOW  *        ANNUAL AVERAGE       *        ANNUAL AVERAGE    * MONTHS           *
*  EXISTING CAPACITY             SERVED     (MIGD)    *                             *                          *   OF    * MONTHS *
*  AND TREATMENT                           1000 CUBIC *        CONC.      LOADING   *        CONC.     LOADING *EFFLUENT*EXCEEDED*
*                                          METRES     *        (MG/L)     KG/DAY    *        (MG/L)    KG/DAY  *  DATA  *        *
*************************************************************************************************************************************


   HAGARTY & RICHARDS(KILL)    *MIN*
                   110001532
   TOWNSHIP                  645                      *  B O D:  174.00       39.32 *  B O D:   2.50      0.57 *   12
KILLALOE STN.WPCP                                     *                             *                          *
      CAPACITY (MIGD):   (   .130)       (     .050 ) *   S S :  268.00       60.57 *   S S :   7.70      1.74 *   12
      1000 CUBIC METRES:     .591              .226   *                             *                          *
EXTENDED AERATION                                     * T.PHOS:    9.70        2.19 * T.PHOS:   0.80      0.18 *   12         2
PHOSPHORUS REMOVAL-CONTINUOUS                         *                             *
                                                      *
                                                      *               WATERCOURSE: BRUDENELL  CREEK
                                                      *



   HAWKESBURY                  *MIN*
                   110002283
   TOWN                     9680                      *  B O D:   68.00      720.80 *  B O D:  13.20    139.92 *   12         1
HAWKESBURY  WPCP                                      *                             *                          *
      CAPACITY (MIGD):   (  2.700)       (    2.332 ) *   S S :   76.00      805.60 *   S S :   9.40     99.64 *   12
      1000 CUBIC METRES:   12.274            10.600   *                             *                          *
MODIFIED ACTIVATED SLUDGE                             * T.PHOS:    3.40       36.04 * T.PHOS:   0.97     10.28 *   12         3
PHOSPHORUS REMOVAL-CONTINUOUS                         *                             *
                                                      *
                                                      *               WATERCOURSE: OTTAWA RIVER
                                                      *



   IROQUOIS
                   120000159
   VILLAGE                  1212                      *  B O D:  186.00      829.56 *  B O D:  80.00    356.80 *    1
IROQUOIS WPCP                                         *                             *                          *
      CAPACITY (MIGD):   (  1.100)       (     .981 ) *   S S :  133.00      593.18 *   S S :  79.00    352.34 *    1         1
      1000 CUBIC METRES:    5.001             4.460   *                             *                          *
PRIMARY                                               * T.PHOS:    3.70       16.50 * T.PHOS:   1.90      8.47 *    1         1
PHOSPHORUS REMOVAL-CONTINUOUS                         *                             *
                                                      *
                                                      *               WATERCOURSE: ST. LAWRENCE RIVER
                                                      *
                                                      *          REMEDIAL MEASURE: EXPANSION/UPGRADING
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                                        SOUTHEASTERN  -  REGION

                            1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

*************************************************************** I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                   *                              *                              *             *
*  MUNICIPALITY    / WORKSNUMBER    POP.   AVG DAY FLOW *        ANNUAL  AVERAGE       *         ANNUAL  AVERAGE      * MONTHS      *
*  EXISTING CAPACITY                SERVED     (MIGD)   *                              *                              *   OF   * MONTHS *
*  AND TREATMENT                             1000 CUBIC *        CONC.     LOADING     *         CONC.     LOADING  *EFFLUENT*EXCEEDED*
*                                            METRES     *        (MG/L)    KG/DAY      *         (MG/L)    KG/DAY   *  DATA  *        *
*************************************************************************************************************************************


    KEMPTVILLE
                    120000113
    TOWN                           2400              * B O D:  117.00       215.75  * B O D:  39.20        72.28 *   11        1
KEMPTVILLE WPCP        (TERTIARY PROPSED)            *                              *                            *
     CAPACITY (MIGD):   (   .500)          (     .406 ) *  S S :  120.00       221.28  *  S S :  29.80        54.95 *   11        4
     1000 CUBIC METRES:     2.273              1.844  *                              *                            *
PRIMARY                                              * T.PHOS:    7.10        13.09  * T.PHOS:   3.33         6.14 *   11       10
PHOSPHORUS REMOVAL-CONTINUOUS                        *                              *
                                                     *
                                                     *              WATERCOURSE: KEMPTVILLE CREEK
                                                     *
                                                     *          REMEDIAL MEASURE: EXPANSION/UPGRADING


    KINGSTON                        *MIN*
                    110000365
    TOWNSHIP                      18700              * B O D:  236.00     3,860.96  * B O D:  10.70       175.05 *   12
KINGSTON WPCP                                        *                              *                            *
     CAPACITY (MIGD):   (  5.500)          (    3.599 ) *  S S :  312.00     5,104.32  *  S S :   8.50       139.06 *   12
     1000 CUBIC METRES:    25.003             16.360  *                              *                            *
CONVENTIONAL ACTIVATED SLUDGE                        * T.PHOS:    6.20       101.43  * T.PHOS:   0.89        14.56 *   12        2
PHOSPHORUS REMOVAL-CONTINUOUS                        *                              *
                                                     *
                                                     *              WATERCOURSE: LAKE ONTARIO
                                                     *


    KINGSTON
                    120001050
    CITY                          67000              * B O D:   96.00     5,837.66  * B O D:  19.50     1,185.78 *   12
KINGSTON WPCP                                        *                              *                            *
     CAPACITY (MIGD):   ( 13.500)          (   13.378 ) *  S S :  114.00     6,932.23  *  S S :  17.90     1,088.48 *   12
     1000 CUBIC METRES:    61.371             60.809  *                              *                            *
PRIMARY                                              * T.PHOS:    4.20       255.40  * T.PHOS:   0.72        43.78 *   12
PHOSPHORUS REMOVAL-CONTINUOUS                        *                              *
                                                     *
                                                     *              WATERCOURSE: ST.LAWRENCE RIVER
                                                     *
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                                              SOUTHEASTERN  -  REGION

                                   1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES


****************************************************************** I N F L U E N T ************* E F F L U E N T ****** COMPLIANCE ***
*                                                     *                               *                            *                   *
*  MUNICIPALITY    / WORKSNUMBER   POP.    AVG DAY FLOW *         ANNUAL  AVERAGE       *        ANNUAL  AVERAGE     * MONTHS            *
*  EXISTING CAPACITY               SERVED     (MIGD)    *                               *                            *   OF    * MONTHS *
*  AND TREATMENT                            1000 CUBIC  *         CONC.     LOADING     *        CONC.     LOADING *EFFLUENT*EXCEEDED*
*                                           METRES      *         (MG/L)    KG/DAY      *        (MG/L)    KG/DAY  *  DATA  *          *
****************************************************************************************************************************************


    L'ORIGNAL                  *MIN*
                      110001701
    VILLAGE                         1665              *  B O D:  81.00        53.30  *  B O D:  17.20      11.32 *   12         2
L'ORIGNAL WPCP                                        *                              *                           *
      CAPACITY (MIGD):   (    .210)         (      .145 ) *  S S :   92.00        60.54  *   S S :  11.20       7.37 *   12         7
      1000 CUBIC METRES:      .955                 .658   *                              *                           *
EXTENDED AERATION                                     * T.PHOS:    6.00         3.95  * T.PHOS:   3.25       2.14 *   12
                                                      *                              *
                                                      *
                                                      *                 WATERCOURSE: OTTAWA RIVER
                                                      *



    LANCASTER                  *MIN*
                      110001925
    VILLAGE                          600              *  B O D: 123.00        60.89  *  B O D:  26.00      12.87 *    3
LANCASTER LAGOON                                      *                              *                           *
      CAPACITY (MIGD):   (    .130)         (      .109 ) *  S S : 155.00        76.73  *   S S :  60.90      30.15 *    3         2
      1000 CUBIC METRES:      .591                 .495   *                              *                           *
CONVENTIONAL LAGOON SEASONAL                          * T.PHOS:    6.00         2.97  * T.PHOS:   2.20       1.09 *    3
                                                      *                              *
                                                      *
                                                      *                 WATERCOURSE: FINNEY CREEK
                                                      *
                                                      *            REMEDIAL MEASURE: MAINENANCE/OPERATION UPGRADING


    LEEDS & LANSDOWNE          *MIN*
                      110001934
    TOWNSHIP                         550              *  B O D: 131.00        15.72  *  B O D:   3.20       0.38 *    2
LANSDOWNE LAGOON                                      *                              *                           *
      CAPACITY (MIGD):   (    .074)         (      .026 ) *  S S :   87.00        10.44  *   S S :   9.50       1.14 *    2
      1000 CUBIC METRES:      .336                 .120   *                              *                           *
LAGOON AND SPRAY                                      * T.PHOS:    8.00         0.96  * T.PHOS:   1.60       0.19 *    2
                                                      *                              *
                                                      *
                                                      *                 WATERCOURSE: NO DISC.TO SURFACE WATER
                                                      *
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                                                SOUTHEASTERN  -  REGION

                                       1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

*************************************************************** I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                    *                              *                          *                 *
*  MUNICIPALITY   / WORKSNUMBER  POP.   AVG DAY FLOW *           ANNUAL  AVERAGE    *         ANNUAL AVERAGE   * MONTHS          *
*  EXISTING CAPACITY             SERVED    (MIGD)    *                              *                          *   OF    * MONTHS *
*  AND TREATMENT                          1000 CUBIC *           CONC.    LOADING   *         CONC.    LOADING *EFFLUENT*EXCEEDED*
*                                         METRES     *          (MG/L)    KG/DAY    *         (MG/L)   KG/DAY  *  DATA  *        *
**********************************************************************************************************************************


    MADOC                      *MIN*
                       110001051
    VILLAGE                          850             *  B O D: 132.00      96.76    * B O D:    5.70      4.18 *    5
MADOC LAGOON                                         *                              *                          *
      CAPACITY (MIGD):   (   .300)        (   .161 ) *   S S : 163.00     119.48    *  S S :   13.00      9.53 *    4
      1000 CUBIC METRES:    1.364             .733   *                              *                          *
CONVENTIONAL LAGOON SEASONAL                         * T.PHOS:   6.90       5.06    * T.PHOS:   0.30      0.22 *    5
PHOSPHORUS REMOVAL - BATCH                           *                              *
                                                     *
                                                     *                   WATERCOURSE: DEER CREEK TO MOIRA LAKE
                                                     *


    MARMORA                    *MIN*
                       110001863
    VILLAGE                         1067             *  B O D: 114.00      85.39    * B O D:    3.30      2.47 *   12
MARMORA WPCP                                         *                              *                          *
      CAPACITY (MIGD):   (   .191)        (   .165 ) *   S S : 122.00      91.38    *  S S :   11.50      8.61 *   12       1
      1000 CUBIC METRES:     .868             .749   *                              *                          *
EXTENDED AERATION                                    * T.PHOS:   5.40       4.04    * T.PHOS:   0.67      0.50 *   12
PHOSPHORUS REMOVAL-CONTINUOUS                        *                              *
                                                     *
                                                     *                   WATERCOURSE: CROWE RIVER
                                                     *


    MERRICKVILLE               *MIN*
                       110001729
    VILLAGE                          935             *  B O D: 108.00      42.23    * B O D:   11.00      4.30 *   12       2
MERRICKVILLE WPCP                                    *                              *                          *
      CAPACITY (MIGD):   (   .110)        (   .086 ) *   S S : 124.00      48.48    *  S S :   20.00      7.82 *   12       3
      1000 CUBIC METRES:     .500             .391   *                              *                          *
EXTENDED AERATION                                    * T.PHOS:   5.40       2.11    * T.PHOS:   1.23      0.48 *   12       3
PHOSPHORUS REMOVAL-CONTINUOUS                        *                              *
                                                     *
                                                     *                   WATERCOURSE: RIDEAU RIVER
                                                     *
                                                     *              REMEDIAL MEASURE: PROCESS/EQUIPMENT IMPROVEMENTS
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                                        SOUTHEASTERN  -  REGION

                              1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

*************************************************************** I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                        *                             *                             *             *
*  MUNICIPALITY    / WORKSNUMBER   POP.   AVG DAY FLOW  *        ANNUAL  AVERAGE       *        ANNUAL  AVERAGE      * MONTHS      *
*  EXISTING CAPACITY               SERVED    (MIGD)     *                              *                             *   OF   * MONTHS *
*  AND TREATMENT                           1000 CUBIC   *        CONC.      LOADING    *        CONC.     LOADING    *EFFLUENT*EXCEEDED*
*                                           METRES      *       (MG/L)     KG/DAY      *       (MG/L)     KG/DAY     *  DATA  *        *
**************************************************************************************************************************************


    MORRISBURG
                   120000168
    VILLAGE                        2337                 *  B O D:   48.00      133.20  *  B O D:  24.90      69.10 *    9        2
MORRISBURG WPCP                                         *                             *                            *
      CAPACITY (MIGD):   (   .500)        (     .611 ) *   S S :   55.00      152.63  *   S S :  40.30     111.83 *    9        6
      1000 CUBIC METRES:    2.273              2.775    *                             *                            *
PRIMARY                                                 * T.PHOS:    2.90        8.05  * T.PHOS:   1.75       4.86 *    9
CONVENTIONAL LAGOON CONTINUOUS                          *                             *
                                                        *
                                                        *             WATERCOURSE: ST. LAWRENCE RIVER
                                                        *
                                                        *        REMEDIAL MEASURE: MONITOR SS CLOSELY


    NAPANEE
                   120000186
    TOWN                           7500                 *  B O D:  115.00      851.00  *  B O D:   5.70      42.18 *   12
NAPANEE WPCP                                            *                             *                            *
      CAPACITY (MIGD):   (  2.000)        (    1.628 ) *   S S :  140.00    1,036.00  *   S S :  10.30      76.22 *   12
      1000 CUBIC METRES:    9.092              7.400    *                             *                            *
CONVENTIONAL ACTIVATED SLUDGE                           * T.PHOS:   12.20       90.28  * T.PHOS:   1.41      10.43 *   12        9
PHOSPHORUS REMOVAL-CONTINUOUS                           *                             *
                                                        *
                                                        *             WATERCOURSE: NAPANEE RIVER
                                                        *
                                                        *        REMEDIAL MEASURE: MAINENANCE/OPERATION UPGRADING


    NEPEAN (CARLETON)
                   120003307
    CITY                            170                 *  B O D:  158.00       18.64  *  B O D:   6.80       0.80 *   12
CARLTON LODGE WPCP                                      *                             *                            *
      CAPACITY (MIGD):   (   .010)        (     .026 ) *   S S :  116.00       13.69  *   S S :  12.70       1.50 *   12
      1000 CUBIC METRES:     .045               .118    *                             *                            *
EXTENDED AERATION                                       * T.PHOS:    7.00        0.83  * T.PHOS:   3.97       0.47 *   12
                                                        *                             *
                                                        *
                                                        *             WATERCOURSE: RIDEAU RIVER
                                                        *
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                                         SOUTHEASTERN  -  REGION

                                 1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

****************************************************** I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                     *                             *                           *               *
*  MUNICIPALITY   / WORKSNUMBER   POP.   AVG DAY FLOW *          ANNUAL AVERAGE     *       ANNUAL AVERAGE      * MONTHS        *
*  EXISTING CAPACITY              SERVED    (MIGD)    *                             *                           *   OF   * MONTHS *
*  AND TREATMENT                           1000 CUBIC *          CONC.    LOADING   *       CONC.    LOADING    *EFFLUENT*EXCEEDED*
*                                           METRES    *          (MG/L)   KG/DAY    *       (MG/L)   KG/DAY     *  DATA  *        *
*********************************************************************************************************************************


    NEPEAN (WATTS CREEK)
                   120000701
    CITY                           52500              *  B O D:  115.00    3,438.73 *  B O D:  24.20     723.63 *   12        1
WATTS CREEK WPCP                                      *                             *                           *
      CAPACITY (MIGD):   (  6.500)        (   6.578 ) *   S S :  145.00    4,335.79 *   S S :  10.10     302.01 *   12
      1000 CUBIC METRES:   29.549            29.902   *                             *                           *
CONVENTIONAL ACTIVATED SLUDGE                         * T.PHOS:    4.80      143.53 * T.PHOS:   0.86      25.72 *   12
PHOSPHORUS REMOVAL-CONTINUOUS                         *                             *
                                                      *
                                                      *                   WATERCOURSE: WATTS CREEK
                                                      *


    OSNABRUCK (INGLESIDE)
                   120000140
    TOWNSHIP                        1500              *  B O D:   36.00       32.90 *  B O D:  24.00      21.94 *   12        4
INGLESIDE WPCP                                        *                             *                           *
      CAPACITY (MIGD):   (   .346)        (    .201 ) *   S S :   41.00       37.47 *   S S :  23.70      21.66 *   12        7
      1000 CUBIC METRES:    1.573              .914   *                             *                           *
PRIMARY                                               * T.PHOS:    3.00        2.74 * T.PHOS:   2.56       2.34 *   12
                                                      *                             *
                                                      *
                                                      *                   WATERCOURSE: ST. LAWRENCE RIVER
                                                      *
                                                      *              REMEDIAL MEASURE: MAINENANCE/OPERATION UPGRADING


    PEMBROKE
                   120000630
    CITY                           17000              *  B O D:   74.00      936.03 *  B O D:  45.00     569.21 *    1        1
PEMBROKE WPCP                                         *                             *                           *
      CAPACITY (MIGD):   (  2.500)        (   2.783 ) *   S S :  172.00    2,175.63 *   S S :  27.40     346.58 *    3
      1000 CUBIC METRES:   11.365            12.649   *                             *                           *
PRIMARY                                               * T.PHOS:    4.40       55.66 * T.PHOS:   1.57      19.86 *    3        1
PHOSPHORUS REMOVAL-CONTINUOUS                         *                             *
                                                      *
                                                      *                   WATERCOURSE: OTTAWA RIVER
                                                      *
                                                      *              REMEDIAL MEASURE: EXPANSION/UPGRADING
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                                             SOUTHEASTERN  -  REGION

                                    1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

******************************************************************* I N F L U E N T ************* E F F L U E N T ****** COMPLIANCE ***
*                                                       *                              *                            *                  *
*  MUNICIPALITY   / WORKSNUMBER   POP.   AVG DAY FLOW *         ANNUAL AVERAGE       *         ANNUAL AVERAGE    * MONTHS            *
*  EXISTING CAPACITY               SERVED     (MIGD)    *                              *                            *   OF    * MONTHS *
*  AND TREATMENT                             1000 CUBIC  *         CONC.      LOADING  *         CONC.     LOADING *EFFLUENT*EXCEEDED*
*                                             METRES    *        (MG/L)     KG/DAY    *        (MG/L)     KG/DAY  *  DATA  *         *
****************************************************************************************************************************************


    PERTH
                    120000881
    TOWN                          5648              *  B O D:  146.00        966.96  *  B O D:  13.60       90.07 *   11          1
PERTH LAGOON                                         *                                *                            *
      CAPACITY (MIGD):   ( 1.300)          (  1.457 ) *   S S :  184.00      1,218.63  *   S S :  26.70      176.83 *   11          1
      1000 CUBIC METRES:    5.910              6.623  *                                *                            *
CONVENTIONAL LAGOON CONTINUOUS                       * T.PHOS:     4.10         27.15  * T.PHOS:   0.58        3.84 *   11          1
PHOSPHORUS REMOVAL-CONTINUOUS                        *                                *
                                                      *
                                                      *             WATERCOURSE: TAY RIVER
                                                      *



    PETAWAWA                   *MIN*
                    120000587
    VILLAGE                      14000              *  B O D:  137.00        552.52  *  B O D:  77.80      313.77 *   12          7
PETAWAWA WPCP                                        *                                *                            *
      CAPACITY (MIGD):   ( 1.000)          (   .887 ) *   S S :  127.00        512.19  *   S S :  58.90      237.54 *   12         12
      1000 CUBIC METRES:    4.546              4.033  *                                *                            *
PRIMARY                                              * T.PHOS:     6.10         24.60  * T.PHOS:   4.60       18.55 *   12         12
PHOSPHORUS REMOVAL-CONTINUOUS                        *                                *
                                                      *
                                                      *             WATERCOURSE: OTTAWA RIVER
                                                      *
                                                      *        REMEDIAL MEASURE: EXPANSION/UPGRADING


    PICTON
                    120000667
    TOWN                          4500              *  B O D:   54.00        167.24  *  B O D:   5.70       17.65 *   11
PICTON WPCP                                          *                                *                            *
      CAPACITY (MIGD):   ( 1.000)          (   .681 ) *   S S :   75.00        232.28  *   S S :   8.40       26.01 *   11
      1000 CUBIC METRES:    4.546              3.097  *                                *                            *
CONTACT STABILIZATION                                * T.PHOS:     4.10         12.70  * T.PHOS:   0.50        1.55 *   11          1
PHOSPHORUS REMOVAL-CONTINUOUS                        *                                *
                                                      *
                                                      *             WATERCOURSE: PICTON BAY
                                                      *
                                                      *        REMEDIAL MEASURE: EXPANSION/UPGRADING
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                                      SOUTHEASTERN  -  REGION

                              1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

****************************************************************** I N F L U E N T ************* E F F L U E N T ****** COMPLIANCE ***
*                                                     *                               *                              *                  *
*  MUNICIPALITY   / WORKSNUMBER   POP.   AVG DAY FLOW *         ANNUAL AVERAGE        *        ANNUAL AVERAGE        * MONTHS           *
*  EXISTING CAPACITY              SERVED    (MIGD)    *                               *                              *   OF   * MONTHS *
*  AND TREATMENT                          1000 CUBIC  *          CONC.     LOADING    *         CONC.     LOADING  *EFFLUENT*EXCEEDED*
*                                         METRES      *          (MG/L)    KG/DAY     *         (MG/L)    KG/DAY   *  DATA  *         *
*********************************************************************************************************************************


    PITTSBURG (CANA)           *MIN*
                  110001505
    TOWNSHIP                      108                  * B O D:   78.00       10.37 * B O D:   9.20       1.22 *   12          1
CANA WPCP                                              *                            *                          *
      CAPACITY (MIGD):   (    .021)        (     .029 ) *  S S :  117.00       15.56 *  S S :  18.70       2.49 *   12          3
      1000 CUBIC METRES:      .095               .133  *                            *                          *
EXTENDED AERATION                                      * T.PHOS:    4.50        0.60 * T.PHOS:   2.62       0.35 *   12
                                                       *                            *
                                                       *
                                                       *              WATERCOURSE: CATARAQUI RIVER
                                                       *



    PLANTAGENET                *MIN*
                  110001621
    VILLAGE                       876                  * B O D:  119.00       67.00 * B O D:   8.90       5.01 *    3
PLANTAGENET LAGOON                                     *                            *                          *
      CAPACITY (MIGD):   (    .130)        (     .124 ) *  S S :  206.00      115.98 *  S S :  16.20       9.12 *    3
      1000 CUBIC METRES:      .591               .563  *                            *                          *
CONVENTIONAL LAGOON SEASONAL                           * T.PHOS:    8.80        4.95 * T.PHOS:   0.55       0.31 *    3
                                                       *                            *
                                                       *
                                                       *              WATERCOURSE: SOUTH NATION RIVER
                                                       *



    PRESCOTT (EDWARDSBURGH)    *MIN*
                  110001122
    SEPARATED TOWN               4595                  * B O D:   59.00      304.20 * B O D:  17.10      88.17 *   12
EDWARDSBURGH WPCP                                      *                            *                          *
      CAPACITY (MIGD):   (   1.250)        (    1.134 ) *  S S :  131.00      675.44 *  S S :  20.30     104.67 *   12          1
      1000 CUBIC METRES:     5.683              5.156  *                            *                          *
PRIMARY                                                * T.PHOS:    3.40       17.53 * T.PHOS:   0.60       3.09 *   12
PHOSPHORUS REMOVAL-CONTINUOUS                          *                            *
                                                       *
                                                       *              WATERCOURSE: ST. LAWRENCE RIVER
                                                       *
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                                                 SOUTHEASTERN  -  REGION

                                        1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

**************************************************************** I N F L U E N T ************* E F F L U E N T ****** COMPLIANCE ***
*                                                     *                              *                          *                 *
*  MUNICIPALITY   / WORKSNUMBER   POP.   AVG DAY FLOW *           ANNUAL AVERAGE     *         ANNUAL AVERAGE   * MONTHS          *
*  EXISTING CAPACITY              SERVED    (MIGD)    *                              *                          *   OF   * MONTHS *
*  AND TREATMENT                          1000 CUBIC  *           CONC.    LOADING   *         CONC.    LOADING *EFFLUENT*EXCEEDED*
*                                         METRES      *          (MG/L)    KG/DAY    *         (MG/L)   KG/DAY  *  DATA  *        *
***********************************************************************************************************************************


    RENFREW
                       120000603
    TOWN                            8200              *  B O D:  154.00    1,249.40  * B O D:  29.00     235.28 *   11        3
RENFREW WPCP                                          *                              *                          *
      CAPACITY (MIGD):   (  1.900)        (   1.785 ) *   S S :  120.00      973.56  *  S S :  31.30     253.94 *   10        3
      1000 CUBIC METRES:    8.637             8.113   *                              *                          *
PRIMARY                                               * T.PHOS:    4.10       33.26  * T.PHOS:  1.26      10.22 *   10        4
PHOSPHORUS REMOVAL-CONTINUOUS                         *                              *
                                                      *
                                                      *                   WATERCOURSE: BONNECHERE RIVER
                                                      *
                                                      *              REMEDIAL MEASURE: EXPANSION/UPGRADING


    ROCKLAND                   *MIN*
                       110001159
    TOWN                            5000              *  B O D:  148.00      292.89  * B O D:  14.00      27.71 *   12
ROCKLAND LAGOON                                       *                              *                          *
      CAPACITY (MIGD):   (   .735)        (    .435 ) *   S S :  376.00      744.10  *  S S :  12.00      23.75 *   12
      1000 CUBIC METRES:    3.341             1.979   *                              *                          *
AERATED CELL PLUS LAGOON                              * T.PHOS:   10.70       21.18  * T.PHOS:  2.37       4.69 *   12
                                                      *                              *
                                                      *
                                                      *                   WATERCOURSE: OTTAWA RIVER
                                                      *


    RUSSELL                    *MIN*                  *                                      NO 1985 DISCHARGE
                       110001514
    TOWNSHIP                        1400              *  B O D:  166.00       47.14  * B O D:   0.00       0.00 *
RUSSELL LAGOON                                        *                              *                          *
      CAPACITY (MIGD):   (   .220)        (    .062 ) *   S S :  186.00       52.82  *  S S :   0.00       0.00 *
      1000 CUBIC METRES:    1.000              .284   *                              *                          *
CONVENTIONAL LAGOON ANNUAL                            * T.PHOS:    9.10        2.58  * T.PHOS:   0.00       0.00 *
                                                      *                              *
                                                      *
                                                      *                   WATERCOURSE: CASTOR  RIVER
                                                      *
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                                                  SOUTHEASTERN  -  REGION

                                        1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

*********************************************************** I N F L U E N T ************* E F F L U E N T ****** COMPLIANCE ***
*                                                        *                             *                             *              *
*  MUNICIPALITY   / WORKSNUMBER   POP.    AVG DAY FLOW  *        ANNUAL  AVERAGE      *        ANNUAL  AVERAGE      * MONTHS       *
*  EXISTING CAPACITY              SERVED     (MIGD)     *                             *                             *   OF   * MONTHS *
*  AND TREATMENT                           1000 CUBIC   *        CONC.      LOADING   *        CONC.     LOADING    *EFFLUENT*EXCEEDED*
*                                            METRES     *        (MG/L)     KG/DAY    *        (MG/L)    KG/DAY     *  DATA  *        *
*********************************************************************************************************************************


    SIDNEY (BATAWA)            *MIN*
                    110000668
    TOWNSHIP                        300                 *  B O D:   96.00      125.38  *  B O D:   5.00        6.53 *   12
BATAWA WPCP                                             *                              *                            *
      CAPACITY (MIGD):   (   .125)          (     .287 ) *  S S :   54.00       70.52  *   S S :  11.00       14.37 *   12
      1000 CUBIC METRES:     .568              1.306    *                              *                            *
CONVENTIONAL ACTIVATED SLUDGE                           * T.PHOS:    2.30        3.00  * T.PHOS:   0.86        1.12 *   12        1
PHOSPHORUS REMOVAL-CONTINUOUS                           *                              *
                                                        *
                                                        *              WATERCOURSE: TRENT RIVER
                                                        *



    SMITHS FALLS
                    120000890
    SEPARATED TOWN                11000                 *  B O D:  102.00    1,717.37  *  B O D:  58.60      986.65 *    8        6
SMITHS FALLS WPCP                                       *                              *                            *
      CAPACITY (MIGD):   (  2.500)          (    3.704 ) *  S S :  162.00    2,727.59  *   S S :  50.90      857.00 *    8        4
      1000 CUBIC METRES:   11.365             16.837    *                              *                            *
PRIMARY                                                 * T.PHOS:    4.40       74.08  * T.PHOS:   1.37       23.07 *    7        3
PHOSPHORUS REMOVAL-CONTINUOUS                           *                              *
                                                        *
                                                        *              WATERCOURSE: RIDEAU RIVER
                                                        *
                                                        *         REMEDIAL MEASURE: EXPANSION/UPGRADING


    ST. ISIDORE DE PRESCOTT    *MIN*                    *                                          NO 1985 DISCHARGE
                    110002210
    VILLAGE                         699                 *  B O D:  199.00       46.77  *  B O D:   0.00        0.00 *
ST.ISIDORE LAGOON                                       *                              *                            *
      CAPACITY (MIGD):   (   .144)          (     .052 ) *  S S :  197.00       46.30  *   S S :   0.00        0.00 *
      1000 CUBIC METRES:     .655               .235    *                              *                            *
CONVENTIONAL LAGOON ANNUAL                              * T.PHOS:   10.60        2.49  * T.PHOS:   0.00        0.00 *
                                                        *                              *
                                                        *
                                                        *              WATERCOURSE: SCOTCH RIVER
                                                        *
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*************************************************************** I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                    *                             *                          *                *
*  MUNICIPALITY   / WORKSNUMBER  POP.   AVG DAY FLOW *        ANNUAL AVERAGE       *        ANNUAL AVERAGE    * MONTHS         *
*  EXISTING CAPACITY             SERVED     (MIGD)   *                             *                          *   OF   * MONTHS *
*  AND TREATMENT                        1000 CUBIC   *        CONC.     LOADING    *        CONC.     LOADING *EFFLUENT*EXCEEDED*
*                                          METRES    *       (MG/L)     KG/DAY     *       (MG/L)     KG/DAY  *  DATA  *        *
************************************************************************************************************************************


    STIRLING                  *MIN*
                       110000686
    VILLAGE                           1700           *  B O D: 174.00      113.27  *  B O D: 26.00      16.93 *    2        1
STIRLING LAGOON (MUN.16.1.86)                        *                             *                          *
      CAPACITY (MIGD):   (   .250)        (     .143 ) *   S S : 152.00       98.95  *   S S : 26.50      17.25 *    2        1
      1000 CUBIC METRES:     1.137              .651 *                             *                          *
CONVENTIONAL LAGOON SEASONAL                         * T.PHOS:   6.70        4.36  * T.PHOS:  0.60       0.39 *    2
PHOSPHORUS REMOVAL - BATCH                           *                             *
                                                     *
                                                     *                WATERCOURSE: RAWDON CREEK
                                                     *


    TRENTON                   *MIN*
                       110000775
    CITY                             15346           *  B O D: 234.00    2,707.61  *  B O D: 10.80     124.97 *   12
TRENTON WPCP                                         *                             *                          *
      CAPACITY (MIGD):   (  3.500)        (    2.546 ) *   S S : 176.00    2,036.50  *   S S : 13.00     150.42 *   12        1
      1000 CUBIC METRES:    15.911            11.571 *                             *                          *
CONVENTIONAL ACTIVATED SLUDGE                        * T.PHOS:   6.00       69.43  * T.PHOS:  0.66       7.64 *   12
PHOSPHORUS REMOVAL-CONTINUOUS                        *                             *
                                                     *
                                                     *                WATERCOURSE: BAY OF QUINTE
                                                     *


    TWEED                     *MIN*
                       120000952
    VILLAGE                           1629           *  B O D:  61.00      112.42  *  B O D: 21.00      38.70 *    3        1
TWEED LAGOON                                         *                             *                          *
      CAPACITY (MIGD):   (   .266)        (     .405 ) *   S S : 114.00      210.10  *   S S : 19.00      35.02 *    3
      1000 CUBIC METRES:     1.209             1.843 *                             *                          *
CONVENTIONAL LAGOON SEASONAL                         * T.PHOS:   3.60        6.63  * T.PHOS:  1.23       2.27 *    3        2
PHOSPHORUS REMOVAL-CONTINUOUS                        *                             *
                                                     *
                                                     *                WATERCOURSE: MOIRA RIVER
                                                     *
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                                     SOUTHEASTERN  -  REGION

                         1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

*************************************************************** I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                      *                                *                                *          *
*  MUNICIPALITY   / WORKSNUMBER   POP.    AVG DAY FLOW *           ANNUAL  AVERAGE      *          ANNUAL  AVERAGE       * MONTHS   *
*  EXISTING CAPACITY              SERVED     (MIGD)    *                                *                                *   OF  * MONTHS *
*  AND TREATMENT                           1000 CUBIC  *             CONC.    LOADING   *             CONC.    LOADING   *EFFLUENT*EXCEEDED*
*                                            METRES    *             (MG/L)   KG/DAY    *             (MG/L)   KG/DAY    *  DATA  *        *
***********************************************************************************************************************************


   VANKLEEK HILL            *MIN*
                 110001658
   TOWN                     1711                       *  B O D:   88.00        74.71  *  B O D:  16.50        14.01 *    3        1
VANKLEEK HILL LAGOON                                   *                                *                              *
      CAPACITY (MIGD):   (   .200)       (      .187 ) *   S S :  123.00       104.43  *   S S :  26.60        22.58 *    3
      1000 CUBIC METRES:     .909               .849   *                                *                              *
CONVENTIONAL LAGOON SEASONAL                           * T.PHOS:    5.10         4.33  * T.PHOS:   1.56         1.32 *    3
                                                       *                                *
                                                       *
                                                       *                  WATERCOURSE: LITTLE RIDEAU CREEK
                                                       *



   WELLINGTON
                 120003165
   VILLAGE                  1077                       *  B O D:  131.00        78.60  *  B O D:   1.00         0.60 *   12
WELLINGTON WPCP                                        *                                *                              *
      CAPACITY (MIGD):   (   .330)       (      .132 ) *   S S :  196.00       117.60  *   S S :   3.10         1.86 *   12
      1000 CUBIC METRES:    1.500               .600   *                                *                              *
EXTENDED AERATION                                      * T.PHOS:    6.50         3.90  * T.PHOS:   0.61         0.37 *   12        1
PHOSPHORUS REMOVAL-CONTINUOUS                          *                                *
                                                       *
                                                       *                  WATERCOURSE: LAKE ONTARIO
                                                       *



   WESTPORT                 *MIN*
                 110001550
   VILLAGE                   614                       *  B O D:  106.00        31.48  *  B O D:  16.00         4.75 *    4        1
WESTPORT LAGOON                                        *                                *                              *
      CAPACITY (MIGD):   (   .072)       (      .065 ) *   S S :  107.00        31.78  *   S S :  26.80         7.96 *    4        3
      1000 CUBIC METRES:     .327               .297   *                                *                              *
CONVENTIONAL LAGOON SEASONAL                           * T.PHOS:    5.80         1.72  * T.PHOS:   0.59         0.18 *    4
PHOSPHORUS REMOVAL - BATCH                             *                                *
                                                       *
                                                       *                  WATERCOURSE: UPPER RIDEAU LAKE
                                                       *
                                                       *             REMEDIAL MEASURE: EXPANSION/UPGRADING
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SOUTHEASTERN - REGION

1985 DATA - MUNICIPAL WASTEWATER TREATMENT FACILITIES

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**************************************************************** I N F L U E N T ************* E F F L U E N T ****** COMPLIANCE ***
*                                                     *                              *                          *                 *
*  MUNICIPALITY   / WORKSNUMBER   POP.   AVG DAY FLOW *           ANNUAL AVERAGE     *         ANNUAL AVERAGE   * MONTHS          *
*  EXISTING CAPACITY              SERVED    (MIGD)    *                              *                          *  OF    * MONTHS *
*  AND TREATMENT                          1000 CUBIC  *           CONC.    LOADING   *         CONC.    LOADING *EFFLUENT*EXCEEDED*
*                                         METRES      *          (MG/L)    KG/DAY    *         (MG/L)   KG/DAY  *  DATA  *        *
***********************************************************************************************************************************


    WINCHESTER                 *MIN*
                       110001202
    VILLAGE                         2002              *  B O D:  159.00      171.56  * B O D:  18.10      19.53 *    3
WINCHESTER LAGOON                                     *                              *                          *
      CAPACITY (MIGD):   (   .200)        (    .237 ) *   S S :  214.00      230.91  *  S S :  43.10      46.50 *    3        2
      1000 CUBIC METRES:     .909             1.079   *                              *                          *
CONVENTIONAL LAGOON SEASONAL                          * T.PHOS:    9.20        9.93  * T.PHOS:  4.86       5.24 *    3
                                                      *                              *
                                                      *
                                                      *                   WATERCOURSE: CASTOR RIVER
                                                      *
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SOUTHEASTERN REGION

WASTEWATER TREATMENT

REGIONAL MUNICIPALITIES

REGIONAL MUNICIPALITIES	CAPACITY	
	$1000m^3$	MIGD
OTTAWA - CARLETON	395.0	86.9

REGIONAL MUNICIPALITY OF OTTAWA-CARLETON

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (1000M^3)	POPULATION SERVED	OPERATED BY
GLOUCESTER (GREEN CR.) CITY GREEN CREEK WPCP 120000729	PRIMARY PHOSPHORUS REMOVAL-CONTINUOUS	OTTAWA RIVER	80.000 (363.680)	450000	MUNICIPALITY
GOULBOURN (MUNSTER) TOWNSHIP MUNSTER LAGOON 120001522	CONVENTIONAL LAGOON SEASONAL SPRAY IRRIGATION	NO DISC.TO SURFACE WATER	.080 (.364)	1300	MUNICIPALITY
GOULBOURN (RICHMOND) TOWNSHIP RICHMOND LAGOON (PHASED OUT 1986) 110001140	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL - BATCH	JOCK RIVER	.320 (1.455)	1773	MUNICIPALITY
NEPEAN (CARLETON) CITY CARLTON LODGE WPCP 120003307	EXTENDED AERATION	RIDEAU RIVER	.010 (.045)	170	MUNICIPALITY
NEPEAN (WATTS CREEK) CITY WATTS CREEK WPCP 120000701	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	WATTS CREEK	6.500 (29.549)	52500	MUNICIPALITY
		TOTAL CAPACITY	86.910 (395.093)		

SOUTHEASTERN REGION

AREA WASTEWATER TREATMENT SYSTEMS

TOTAL AREA WASTEWATER TREATMENT SYSTEMS	TOTAL CAPACITY 1000m³	MIGD
ONE	393.2	86.5

SYSTEM: OTTAWA-CARLTON POLLUTION CONTROL SYSTEM

Number of Plants: Two

Operated by: Regional Municipality of Ottawa-Carlton

Number of Municipalities Served: Seven

PLANT LOCATION	TREATMENT	CAPACITY	MUNICIPALITIES SERVED	WATERCOURSE
NEPEAN CITY - Watts Creek WPCP 120000701	Conv. Act. Sludge Phosphorus Removal	6.5 MIGD (29.55 1000m³/d)	Nepean City Ottawa City Goulbourn Twp.	Watts Creek
GLOUCESTER - Green Creek WPCP 120000729	Primary Phosphorus Removal	80.0 MIGD (363.68 1000m³/d)	Gloucester City Nepean City Ottawa City Vanier City Rockcliffe Park Village Cumberland Twp.	Ottawa River

Northeastern Region
⑤

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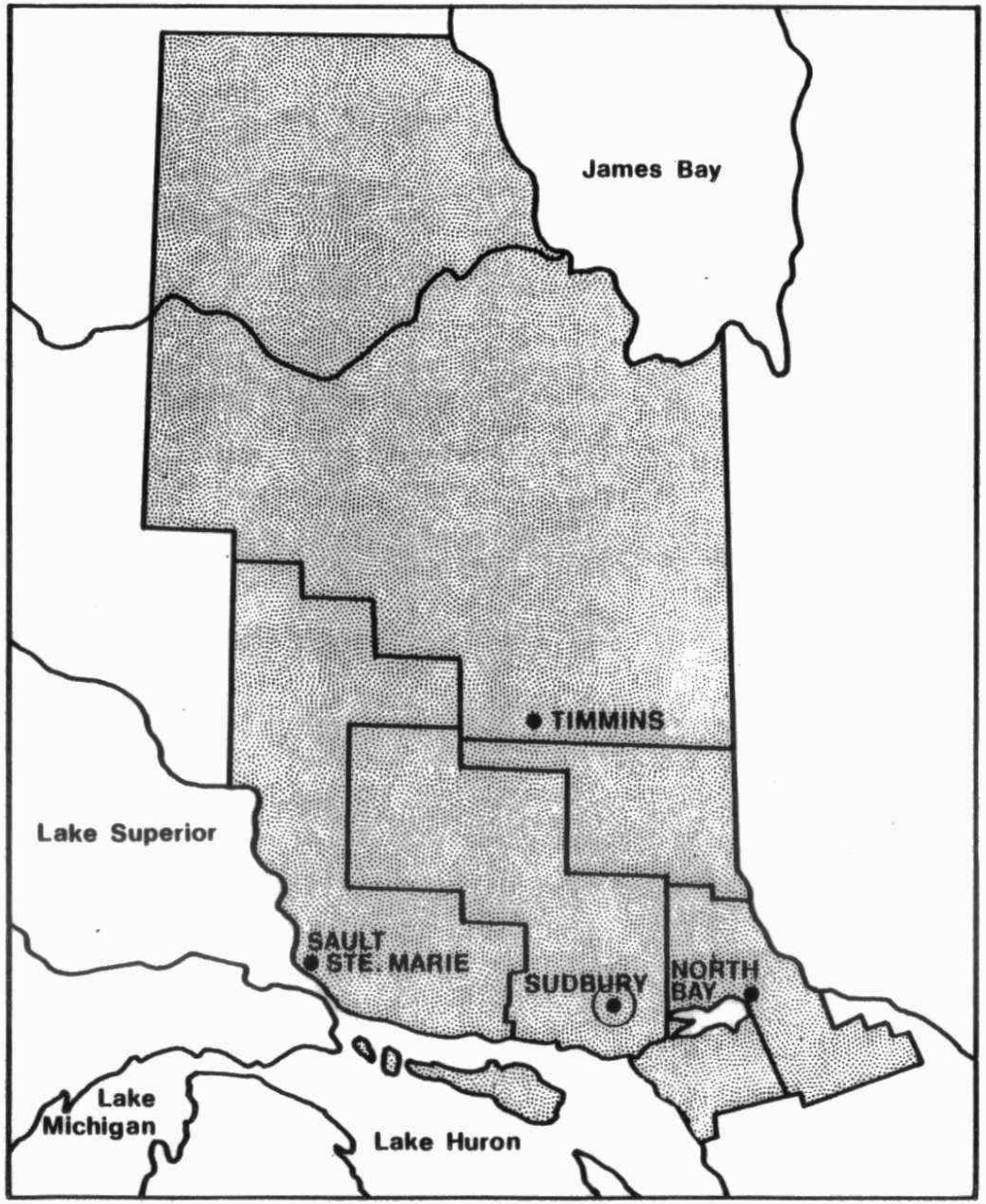
of the
Environment
Ontario



Northeastern Region ⑤

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Environment
Ontario

REGIONAL OFFICE

Sudbury
199 Larch St.
P3E 5P9
705 675-4501

DISTRICT OFFICES

North Bay
1500 Fisher St.
P1B 2H3
705 476-1001

Sault Ste. Marie
445 Albert St. E.
P6A 2J9
705 949-4640

Sudbury
199 Larch St.
P3E 5P9
705 675-4501

Timmins
83 Algonquin Blvd. W.
P4N 2R4
705 264-9474

SUB-OFFICE

Parry Sound
74 Church St.
P2A 1Z1
705 746-2139

NORTHEASTERN REGION SUMMARY

TREATMENT TYPE	NUMBER			** CAPACITY MIGD ** (1000M^3)		
	MINISTRY	MUNICIPAL	TOTAL	MINISTRY	MUNICIPAL	TOTAL
COMMUNAL SEPTIC TANK	0	4	4	.000	.277	.277 (1.259)
PRIMARY	2	3	5	12.660	8.030	20.690 (94.057)
CONVENTIONAL ACTIVATED SLUDGE	3	3	6	10.450	5.510	15.960 (72.554)
CONTACT STABILIZATION	4	0	4	4.362	.000	4.362 (19.830)
EXTENDED AERATION	8	8	16	4.144	6.243	10.387 (47.219)
TRICKLING FILTER	0	1	1	.000	.100	.100 (.455)
HIGH RATE	0	1	1	.000	15.000	15.000 (68.190)
OXIDATION DITCH	0	1	1	.000	.299	.299 (1.359)
CONVENTIONAL LAGOON CONTINUOUS	4	3	7	.891	.817	1.708 (7.765)
CONVENTIONAL LAGOON SEASONAL	21	6	27	3.170	1.824	4.994 (22.703)
AERATED CELL PLUS LAGOON	1	1	2	1.500	.086	1.586 (7.210)
EXFILTRATION LAGOON	1	1	2	.240	.340	.580 (2.637)
**** TOTALS ****	44	32	76	37.417 (170.098)	38.526 (175.139)	75.943 (345.237)

** MIGD: MILLIONS OF IMPERIAL GALLONS PER DAY | CONVERSION FACTOR
1000M^3 :THOUSANDS OF CUBIC METRES | 1 MIGD = 4.546 1000M^3

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                                        NORTHEASTERN  -  REGION

                               1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

**************************************************************** I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                     *                              *                            *                  *
*  MUNICIPALITY   / WORKSNUMBER   POP.   AVG DAY FLOW *          ANNUAL  AVERAGE     *         ANNUAL  AVERAGE    * MONTHS           *
*  EXISTING CAPACITY              SERVED     (MIGD)   *                              *                            *   OF   * MONTHS  *
*  AND TREATMENT                           1000 CUBIC *          CONC.     LOADING   *         CONC.     LOADING  *EFFLUENT*EXCEEDED*
*                                          METRES     *          (MG/L)    KG/DAY    *         (MG/L)    KG/DAY   * DATA   *         *
*************************************************************************************************************************************


    ARMSTRONG (EARLTON)
                   120000042
    TOWNSHIP                      1452                * B O D:   77.00               * B O D:  24.40            *  11        5
EARLTON LAGOON                                        *                              *                          *
      CAPACITY (MIGD):   (    .080)       (          ) *  S S :   96.00               *  S S :  21.30            *  11        1
      1000 CUBIC METRES:      .364                    *                              *                          *
CONVENTIONAL LAGOON SEASONAL                          * T.PHOS:   4.70               * T.PHOS:  2.92            *  11
                                                      *                              *
                                                      *
                                                      *             WATERCOURSE: EVANTUREL CREEK
                                                      *



    ASSIGINACK(MANITOWANING)   *MIN*
                   110001408
    TOWNSHIP                       440                * B O D:   79.00      20.30    * B O D:  17.40      4.47  *   2
MANITOWANING LAGOON                                   *                              *                          *
      CAPACITY (MIGD):   (    .055)       (     .057 ) *  S S :   89.00      22.87    *  S S :  40.50     10.41  *   2        1
      1000 CUBIC METRES:      .250              .257  *                              *                          *
CONVENTIONAL LAGOON SEASONAL                          * T.PHOS:   4.40       1.13    * T.PHOS:  2.90      0.75  *   2
                                                      *                              *
                                                      *
                                                      *             WATERCOURSE: LAKE HURON
                                                      *



    BLACK R MATHESON(HLT-ROS
                   120003209
    TOWNSHIP                       159                * B O D:    0.00               * B O D:   0.00            *
HOLTYRE-ROSS MINE WPCP                                *                              *                          *
      CAPACITY (MIGD):   (    .000)       (          ) *  S S :    0.00               *  S S :   0.00            *
      1000 CUBIC METRES:      .000                    *                              *                          *
COMMUNAL SEPTIC TANK                                  * T.PHOS:   0.00               * T.PHOS:  0.00            *
                                                      *                              *
                                                      *
                                                      *             WATERCOURSE: BLACK RIVER
                                                      *
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**************************************************************** I N F L U E N T ************* E F F L U E N T ****** COMPLIANCE ***
*                                                     *                              *                          *                 *
*  MUNICIPALITY   / WORKSNUMBER   POP.   AVG DAY FLOW *           ANNUAL AVERAGE     *         ANNUAL AVERAGE   * MONTHS          *
*  EXISTING CAPACITY              SERVED    (MIGD)    *                              *                          *   OF   * MONTHS *
*  AND TREATMENT                          1000 CUBIC  *           CONC.    LOADING   *         CONC.    LOADING *EFFLUENT*EXCEEDED*
*                                         METRES      *          (MG/L)    KG/DAY    *         (MG/L)   KG/DAY  *  DATA  *        *
***********************************************************************************************************************************


    BLACK R MATHESON(HOLTYRE
                       120000328
    TOWNSHIP                         160              *  B O D:    0.00              *  B O D:   0.00           *
HOLTYRE WPCP                                          *                              *                          *
      CAPACITY (MIGD):   (    .052)        (         ) *   S S :    0.00              *   S S :   0.00           *
      1000 CUBIC METRES:      .236                    *                              *                          *
COMMUNAL SEPTIC TANK                                  * T.PHOS:    0.00              * T.PHOS:   0.00           *
                                                      *                              *
                                                      *
                                                      *                   WATERCOURSE: BLACK RIVER
                                                      *



    BLACK R MATHESON(MATH)      *MIN*
                       110000025
    TOWNSHIP                         920              *  B O D:   55.00       42.63  *  B O D:   4.80      3.72 *   12
MATHESON WPCP                                         *                              *                          *
      CAPACITY (MIGD):   (    .230)        (    .171 ) *   S S :   67.00       51.93  *   S S :   6.80      5.27 *   12
      1000 CUBIC METRES:    1.046              .775   *                              *                          *
EXTENDED AERATION                                     * T.PHOS:    3.80        2.95  * T.PHOS:   1.59      1.23 *   12
                                                      *                              *
                                                      *
                                                      *                   WATERCOURSE: BLACK RIVER
                                                      *



    BLACK R MATHESON(RAMORE)   *MIN*
                       110001104
    TOWNSHIP                         320              *  B O D:  108.00       13.61  *  B O D:  28.90      3.64 *    7        2
RAMORE LAGOON                                         *                              *                          *
      CAPACITY (MIGD):   (    .027)        (    .028 ) *   S S :  105.00       13.23  *   S S :  26.00      3.28 *    7        1
      1000 CUBIC METRES:      .123              .126   *                              *                          *
CONVENTIONAL LAGOON CONTINUOUS                        * T.PHOS:    5.60        0.71  * T.PHOS:   3.48      0.44 *    7
                                                      *                              *
                                                      *
                                                      *                   WATERCOURSE: BLACK  RIVER
                                                      *
                                                      *              REMEDIAL MEASURE: EXPANSION/UPGRADING
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                                    NORTHEASTERN  -  REGION

                        1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

********************************************************* I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                        *                             *                          *              *
*  MUNICIPALITY   / WORKSNUMBER   POP.    AVG DAY FLOW  *         ANNUAL AVERAGE      *         ANNUAL AVERAGE   * MONTHS       *
*  EXISTING CAPACITY              SERVED     (MIGD)     *                             *                          *   OF   * MONTHS *
*  AND TREATMENT                           1000 CUBIC   *         CONC.    LOADING    *         CONC.    LOADING *EFFLUENT*EXCEEDED*
*                                          METRES       *         (MG/L)   KG/DAY     *         (MG/L)   KG/DAY  *  DATA  *        *
*********************************************************************************************************************************


    BLACK R MATHESON(VAL GAG   *MIN*
                   120001559
    TOWNSHIP                        300                 * B O D:  105.00        8.51 *  B O D:  18.70       1.51 *    5
VAL GAGNE LAGOON                                        *                            *                           *
      CAPACITY (MIGD):  (    .027)          (     .018 ) *  S S :  156.00       12.64 *   S S :  16.90       1.37 *    5
      1000 CUBIC METRES:      .123                .081  *                            *                           *
CONVENTIONAL LAGOON CONTINUOUS                          * T.PHOS:    5.70        0.46 * T.PHOS:   2.92       0.24 *    5
                                                        *                            *
                                                        *
                                                        *               WATERCOURSE: CREEK TO BLACK RIVER
                                                        *


    BLIND RIVER               *MIN*
                   110002416
    TOWN                           3200                 * B O D:   61.00      165.37 *  B O D:   4.50      12.20 *   11
BLIND RIVER WPCP                                        *                            *                           *
      CAPACITY (MIGD):  (    .770)          (     .596 ) *  S S :   45.00      122.00 *   S S :   6.30      17.08 *   11
      1000 CUBIC METRES:    3.500               2.711   *                            *                           *
EXTENDED AERATION                                       * T.PHOS:    3.40        9.22 * T.PHOS:   2.04       5.53 *   11
                                                        *                            *
                                                        *
                                                        *               WATERCOURSE: LAKE HURON
                                                        *


    BRUCE MINES               *MIN*
                   110001756
    TOWN                            525                 * B O D:   67.00       23.79 *  B O D:  11.00       3.91 *    2
BRUCE MINES LAGOON                                      *                            *                           *
      CAPACITY (MIGD):  (    .063)          (     .078 ) *  S S :   53.00       18.82 *   S S :  11.10       3.94 *    2
      1000 CUBIC METRES:      .286                .355  *                            *                           *
CONVENTIONAL LAGOON SEASONAL                            * T.PHOS:    4.40        1.56 * T.PHOS:   1.35       0.48 *    2
                                                        *                            *
                                                        *
                                                        *               WATERCOURSE: ST.JOSEPH CHL.TO L.HURON
                                                        *
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                          1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

****************************************************************** I N F L U E N T ************* E F F L U E N T ****** COMPLIANCE ***
*                                                      *                              *                           *                 *
*  MUNICIPALITY   / WORKSNUMBER   POP.   AVG DAY FLOW *         ANNUAL  AVERAGE      *        ANNUAL  AVERAGE    * MONTHS          *
*  EXISTING CAPACITY              SERVED    (MIGD)     *                              *                           *   OF    * MONTHS *
*  AND TREATMENT                          1000 CUBIC   *         CONC.      LOADING   *        CONC.     LOADING  *EFFLUENT*EXCEEDED*
*                                         METRES       *        (MG/L)      KG/DAY    *       (MG/L)     KG/DAY   *  DATA  *        *
*************************************************************************************************************************************


    BURKS FALLS                 *MIN*
                       110001426
    VILLAGE                         800                * B O D:  69.00      25.19   * B O D:   9.20       3.36 *    2
BURKS FALLS LAGOON                                     *                            *                            *
      CAPACITY (MIGD):   (   .150)       (     .080 ) *  S S :  73.00      26.65   *  S S :   9.50       3.47 *    2
      1000 CUBIC METRES:     .682               .365   *                            *                            *
CONVENTIONAL LAGOON SEASONAL                           * T.PHOS:   4.20       1.53   * T.PHOS:  1.37       0.50 *    2
                                                       *                            *
                                                       *
                                                       *                 WATERCOURSE: MAGNETAWAN RIVER
                                                       *



    CALDWELL (VERNER)           *MIN*
                       110001872
    TOWNSHIP                       1116                * B O D: 107.00      51.90   * B O D:  11.60       5.63 *    6
VERNER LAGOON                                          *                            *                            *
      CAPACITY (MIGD):   (   .105)       (     .107 ) *  S S : 137.00      66.45   *  S S :  12.80       6.21 *    6
      1000 CUBIC METRES:     .477               .485   *                            *                            *
CONVENTIONAL LAGOON SEASONAL                           * T.PHOS:   4.50       2.18   * T.PHOS:  1.08       0.52 *    6         3
PHOSPHORUS REMOVAL - BATCH                             *                            *
                                                       *
                                                       *                 WATERCOURSE: VEUVE RIVER
                                                       *
                                                       *            REMEDIAL MEASURE: MONITOR T.PHOS CLOSELY


    CAPREOL
                       120001210
    TOWN                           2949                * B O D:  54.00     229.45   * B O D:   0.00       0.00 *
CAPREOL LAGOON                                         *                            *                            *
      CAPACITY (MIGD):   (   .340)       (     .935 ) *  S S :  57.00     242.19   *  S S :   0.00       0.00 *
      1000 CUBIC METRES:   1.546              4.249    *                            *                            *
EXFILTRATION LAGOON                                    * T.PHOS:   2.50      10.62   * T.PHOS:  0.00       0.00 *
                                                       *                            *
                                                       *
                                                       *                 WATERCOURSE: NO DISC TO SURFACE WATER
                                                       *
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                              1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES


****************************************************************** I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                     *                          *                          *                   *
*  MUNICIPALITY    / WORKSNUMBER    POP.   AVG DAY FLOW *        ANNUAL AVERAGE      *        ANNUAL AVERAGE    * MONTHS            *
*  EXISTING CAPACITY               SERVED     (MIGD)    *                          *                          *   OF    * MONTHS *
*  AND TREATMENT                            1000 CUBIC  *       CONC.    LOADING   *       CONC.    LOADING *EFFLUENT*EXCEEDED*
*                                            METRES     *      (MG/L)    KG/DAY    *      (MG/L)    KG/DAY  *  DATA  *          *
************************************************************************************************************************************


   CASIMIR J.A.(ST CHARLES)    *MIN*
                      110002256
   TOWNSHIP                         280                 * B O D:  160.00      44.48 * B O D:   8.70       2.42 *   1
ST.CHARLES LAGOON                                       *                           *                          *
     CAPACITY (MIGD):   (    .120)        (      .061 ) *  S S :  179.00      49.76 *  S S :   9.80       2.72 *   1
     1000 CUBIC METRES:      .546                .278   *                           *                          *
CONVENTIONAL LAGOON SEASONAL                            * T.PHOS:    7.20       2.00 * T.PHOS:   0.80       0.22 *   1
PHOSPHORUS REMOVAL - BATCH                              *                           *
                                                        *
                                                        *              WATERCOURSE: MCPHERSON CREEK W.BRANCH
                                                        *



   CHAPLEAU
                      120001167
   TOWNSHIP                        2800                 * B O D:   21.40            * B O D:  21.60            *   1
CHAPLEAU WPCP PHASED OUT 1986                           *                           *                          *
     CAPACITY (MIGD):   (    .400)        (           ) *  S S :    0.00            *  S S :   0.00            *
     1000 CUBIC METRES:     1.818                       *                           *                          *
PRIMARY                                                 * T.PHOS:    2.20            * T.PHOS:   2.25            *   1
                                                        *                           *
                                                        *
                                                        *              WATERCOURSE: CHAPLEAU   LAKE
                                                        *



   COCHRANE                **
                      120000355
   TOWN                            4600                 * B O D:   96.00     350.59 * B O D:  22.65      82.72 *   3        2
COCHRANE WPCP                                           *                           *                          *
     CAPACITY (MIGD):   (    .750)        (      .803 ) *  S S :  121.60     444.08 *  S S :  44.20     161.42 *   3        3
     1000 CUBIC METRES:     3.410               3.652   *                           *                          *
EXTENDED AERATION                                       * T.PHOS:    6.80      24.83 * T.PHOS:   2.90      10.59 *   3
EFFLUENT POLISHING                                      *                           *
                                                        *
                                                        *              WATERCOURSE: LILLABELLE LAKE
                                                        *
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NORTHEASTERN - REGION

1985 DATA - MUNICIPAL WASTEWATER TREATMENT FACILITIES

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*************************************************************** I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                             *                             *                            *                *
*  MUNICIPALITY   / WORKSNUMBER   POP.    AVG DAY FLOW        *        ANNUAL AVERAGE       *       ANNUAL AVERAGE       * MONTHS         *
*  EXISTING CAPACITY              SERVED     (MIGD)           *                             *                            *   OF   * MONTHS *
*  AND TREATMENT                          1000 CUBIC          *       CONC.     LOADING     *      CONC.     LOADING     *EFFLUENT*EXCEEDED*
*                                           METRES            *       (MG/L)    KG/DAY      *      (MG/L)    KG/DAY      *  DATA  *        *
*****************************************************************************************************************************************


   COSBY M.M.(NOELVILLE)       *MIN*
                    110002425
   TOWNSHIP                   551                   * B O D:  172.00        38.53 * B O D:   6.70        1.50 *    1
NOELVILLE LAGOON                                    *                             *                           *
      CAPACITY (MIGD):   (    .175)      (     .049 ) *  S S :  200.00        44.80 *  S S :  12.30        2.76 *    1
      1000 CUBIC METRES:      .796              .224  *                             *                           *
CONVENTIONAL LAGOON SEASONAL                        * T.PHOS:    7.20         1.61 * T.PHOS:   0.96        0.22 *    1
                                                    *                             *
                                                    *
                                                    *               WATERCOURSE: WOLF RIVER
                                                    *


   ELLIOT LAKE(ESTEN L.) **
                    120001121
   TOWN                     19000                   * B O D:   87.00     1,087.50 * B O D:  15.30      191.25 *   12         2
ESTEN LAKE WPCP                                     *                             *                           *
      CAPACITY (MIGD):   (  2.860)       (   2.750 ) *  S S :  117.00     1,462.50 *  S S :  15.90      198.75 *   12
      1000 CUBIC METRES:   13.002             12.500  *                             *                           *
CONVENTIONAL ACTIVATED SLUDGE                       * T.PHOS:    4.80        60.00 * T.PHOS:   1.10       13.75 *   12         7
PHOSPHORUS REMOVAL-CONTINUOUS                       *                             *
EFFLUENT POLISHING                                  *
                                                    *               WATERCOURSE: ESTEN LAKE
                                                    *


   ENGLEHART                   *MIN*
                    110000187
   TOWN                      1730                   * B O D:   64.00       111.23 * B O D:  18.20       31.63 *   10         1
ENGLEHART LAGOON                                    *                             *                           *
      CAPACITY (MIGD):   (    .200)      (     .382 ) *  S S :  100.00       173.80 *  S S :  15.20       26.42 *   10
      1000 CUBIC METRES:      .909             1.738  *                             *                           *
CONVENTIONAL LAGOON CONTINUOUS                      * T.PHOS:    4.30         7.47 * T.PHOS:   2.25        3.91 *    9
                                                    *                             *
                                                    *
                                                    *               WATERCOURSE: ENGLEHART RIVER
                                                    *
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                                  1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

****************************************************** I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                      *                              *                            *                  *
*  MUNICIPALITY   / WORKSNUMBER   POP.   AVG DAY FLOW  *        ANNUAL AVERAGE        *       ANNUAL AVERAGE       * MONTHS           *
*  EXISTING CAPACITY              SERVED    (MIGD)     *                              *                            *   OF   * MONTHS  *
*  AND TREATMENT                          1000 CUBIC   *        CONC.     LOADING     *        CONC.     LOADING   *EFFLUENT*EXCEEDED*
*                                          METRES      *        (MG/L)    KG/DAY      *        (MG/L)    KG/DAY    * DATA   *         *
*********************************************************************************************************************************


    ESPANOLA                *MIN*
                   110000212
    TOWN                          5200                 * B O D: 103.00       307.25 * B O D: 55.40       165.26 *   12         2
ESPANOLA WPCP                                          *                            *                           *
      CAPACITY (MIGD):   (   .660)        (     .656 ) *  S S : 127.00       378.84 *  S S : 51.20       152.73 *   12         4
      1000 CUBIC METRES:    3.000              2.983   *                            *                           *
PRIMARY                                                * T.PHOS:   5.70       17.00 * T.PHOS:   4.55      13.57 *   12
                                                       *                            *
                                                       *
                                                       *                  WATERCOURSE: SPANISH RIVER
                                                       *


    GORE BAY                *MIN*
                   110002513
    TOWN                           780                 * B O D: 312.00       132.91 * B O D:  8.90         3.79 *    2
GORE BAY LAGOON                                        *                            *                           *
      CAPACITY (MIGD):   (   .139)        (     .094 ) *  S S : 872.00       371.47 *  S S : 44.30        18.87 *    2         1
      1000 CUBIC METRES:     .632               .426   *                            *                           *
CONVENTIONAL LAGOON SEASONAL                           * T.PHOS:   6.90        2.94 * T.PHOS:   1.58       0.67 *    2
                                                       *                            *
                                                       *
                                                       *                  WATERCOURSE: LAKE HURON
                                                       *


    HAILEYBURY (N.COBALT)     *MIN*
                   110001382
    TOWN                           800                 * B O D: 115.00        64.86 * B O D: 10.00         5.64 *    2
NORTH COBALT LAGOON                                    *                            *                           *
      CAPACITY (MIGD):   (   .075)        (     .124 ) *  S S : 127.00        71.63 *  S S : 18.60        10.49 *    2
      1000 CUBIC METRES:     .341               .564   *                            *                           *
CONVENTIONAL LAGOON SEASONAL                           * T.PHOS:   6.10        3.44 * T.PHOS:   3.02       1.70 *    2
                                                       *                            *
                                                       *
                                                       *                  WATERCOURSE: FARR CREEK
                                                       *
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                                       1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

****************************************************************** I N F L U E N T ************* E F F L U E N T ****** COMPLIANCE ***
*                                                      *                              *                          *                  *
*  MUNICIPALITY   / WORKSNUMBER   POP.    AVG DAY FLOW *          ANNUAL AVERAGE      *          ANNUAL AVERAGE  * MONTHS           *
*  EXISTING CAPACITY              SERVED     (MIGD)    *                              *                          *   OF    * MONTHS *
*  AND TREATMENT                          1000 CUBIC   *          CONC.    LOADING    *          CONC.    LOADING *EFFLUENT*EXCEEDED*
*                                          METRES      *         (MG/L)    KG/DAY     *         (MG/L)   KG/DAY  *  DATA  *         *
*************************************************************************************************************************************


    HAILEYBURY NEW             *MIN*                   *                                       PLANT START-UP NOV. 1985
                   110002158
    TOWN                              0                * B O D:  111.00       130.98  *  B O D:  20.60      24.31 *   2
LAKE TEMISKAMING NEW WPCP                              *                              *                           *
      CAPACITY (MIGD):   (    .354)        (     .260 ) *  S S :   82.00        96.76  *   S S :  31.60      37.29 *   2         1
      1000 CUBIC METRES:    1.609               1.180  *                              *                           *
EXTENDED AERATION                                      * T.PHOS:    4.50         5.31  * T.PHOS:   1.84       2.17 *   2         2
PHOSPHORUS REMOVAL-CONTINUOUS                          *                              *
                                                       *
                                                       *                  WATERCOURSE: LAKE TEMISKAMING
                                                       *



    HAILEYBURY OLD             *MIN*
                   110000310
    TOWN                           3240                * B O D:  128.00       165.76  *  B O D:  40.70      52.71 *  10         6
LAKE TEMISKAMING OLD WPCP                              *                              *                           *
      CAPACITY (MIGD):   (    .350)        (     .285 ) *  S S :  128.00       165.76  *   S S :  66.20      85.73 *  10         8
      1000 CUBIC METRES:    1.591               1.295  *                              *                           *
CONTACT STABILIZATION                                  * T.PHOS:    6.10         7.90  * T.PHOS:   2.45       3.17 *  10
                                                       *                              *
                                                       *
                                                       *                  WATERCOURSE: LAKE TIMISKAMING
                                                       *
                                                       *             REMEDIAL MEASURE: EXPANSION/UPGRADING


    HEARST                     *MIN*
                   110000338
    TOWN                           5270                * B O D:  171.00       480.68  *  B O D:  16.50      46.38 *   2
HEARST LAGOON                                          *                              *                           *
      CAPACITY (MIGD):   (  1.500)        (     .618 ) *  S S :  188.00       528.47  *   S S :  64.60     181.59 *   2         2
      1000 CUBIC METRES:    6.819               2.811  *                              *                           *
AERATED CELL PLUS LAGOON                               * T.PHOS:    6.60        18.55  * T.PHOS:   1.62       4.55 *   2
CONTINUOUS DISCHARGE                                   *                              *
                                                       *
                                                       *                  WATERCOURSE: MATTAWISHKWIA RIVER
                                                       *
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**************************************************************** I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                     *                              *                          *                 *
*  MUNICIPALITY   / WORKSNUMBER   POP.   AVG DAY FLOW *          ANNUAL AVERAGE      *         ANNUAL AVERAGE   * MONTHS          *
*  EXISTING CAPACITY              SERVED    (MIGD)    *                              *                          *   OF   * MONTHS *
*  AND TREATMENT                          1000 CUBIC  *          CONC.    LOADING    *         CONC.    LOADING *EFFLUENT*EXCEEDED*
*                                         METRES      *          (MG/L)   KG/DAY     *         (MG/L)   KG/DAY  *  DATA  *        *
***********************************************************************************************************************************


    HORNEPAYNE                 *MIN*
                       110001952
    TOWNSHIP                        1675              * B O D:   66.00       55.51   * B O D:   2.20       1.85 *   11
HORNEPAYNE WPCP                                       *                              *                          *
      CAPACITY (MIGD):   (   .300)        (    .185 ) *  S S :  100.00       84.10   *  S S :   6.30       5.30 *   11
      1000 CUBIC METRES:    1.364              .841   *                              *                          *
EXTENDED AERATION                                     * T.PHOS:   3.80        3.20   * T.PHOS:  2.65       2.23 *   11
                                                      *                              *
                                                      *
                                                      *                  WATERCOURSE: JACKFISH RIVER
                                                      *



    IROQUOIS FALLS             *MIN*
                       110002121
    TOWN                            5575              * B O D:   49.00      182.18   * B O D:  17.60      65.44 *   12         1
IROQUOIS FALLS WPCP                                   *                              *                          *
      CAPACITY (MIGD):   (   .900)        (    .818 ) *  S S :   87.00      323.47   *  S S :   9.30      34.58 *   12
      1000 CUBIC METRES:    4.091             3.718   *                              *                          *
CONTACT STABILIZATION                                 * T.PHOS:   4.50       16.73   * T.PHOS:  1.93       7.18 *   11
                                                      *                              *
                                                      *
                                                      *                  WATERCOURSE: ABITIBI RIVER
                                                      *



    IROQUOIS FALLS(PORQUIS)
                       120003290
    TOWN                             153              * B O D:  210.00       13.65   * B O D:   0.00       0.00 *
PORQUIS JUNCTION LAGOON                               *                              *                          *
      CAPACITY (MIGD):   (   .010)        (    .014 ) *  S S :  169.00       10.99   *  S S :   0.00       0.00 *
      1000 CUBIC METRES:     .045              .065   *                              *                          *
CONVENTIONAL LAGOON SEASONAL                          * T.PHOS:   7.40        0.48   * T.PHOS:  0.00       0.00 *
SINGE CELL                                            *                              *
                                                      *
                                                      *                  WATERCOURSE: STATION CR.TO MEADOW CR.
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                         1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

***************************************************************** I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                         *                              *                          *               *
*  MUNICIPALITY   / WORKSNUMBER  POP.   AVG DAY FLOW *         ANNUAL AVERAGE       *          ANNUAL AVERAGE     * MONTHS          *
*  EXISTING CAPACITY             SERVED     (MIGD)     *                              *                          *   OF    * MONTHS *
*  AND TREATMENT                          1000 CUBIC   *         CONC.     LOADING    *          CONC.     LOADING *EFFLUENT*EXCEEDED*
*                                          METRES      *         (MG/L)    KG/DAY     *          (MG/L)    KG/DAY  *  DATA  *        *
**************************************************************************************************************************************


    KAPUSKASING                  *MIN*
                        110003004
    TOWN                          12000             * B O D: 105.00      495.18  * B O D:  5.60      26.41 *   11
KAPUSKASING WPCP                                    *                            *                           *
      CAPACITY (MIGD):   ( 2.000)        (  1.038 ) *  S S : 111.00      523.48  *  S S :  7.50      35.37 *   12
      1000 CUBIC METRES:   9.092            4.716   *                            *                           *
EXTENDED AERATION                                   * T.PHOS:   4.00      18.86  * T.PHOS:  2.02       9.53 *   11
                                                    *                            *
                                                    *
                                                    *                  WATERCOURSE: KAPUSKASING  RIVER
                                                    *


    KAPUSKASING (BRUNETV.)
                        120003012
    TOWN                           2100             * B O D: 436.00      274.68  * B O D: 30.00      18.90 *    7         4
BRUNETVILLE LAGOON                                  *                            *                           *
      CAPACITY (MIGD):   (  .400)        (   .139 ) *  S S : 275.60      173.63  *  S S : 75.80      47.75 *    7         3
      1000 CUBIC METRES:   1.818             .630   *                            *                           *
CONVENTIONAL LAGOON CONTINUOUS                      * T.PHOS:   8.40        5.29  * T.PHOS:  2.80       1.76 *    7
                                                    *                            *
                                                    *
                                                    *                  WATERCOURSE: (KAPUSKASING WPCP)
                                                    *
                                                    *              REMEDIAL MEASURE: EXPANSION/UPGRADING


    KAPUSKASING (VAL ALBERT)
                        120003003
    TOWN                           2100             * B O D:   0.00        0.00  * B O D:  0.00       0.00 *
VAL ALBERT LAGOON (PHASED OUT 28.1.'85)             *                            *                           *
      CAPACITY (MIGD):   (  .400)        (   .056 ) *  S S :   0.00        0.00  *  S S :  0.00       0.00 *
      1000 CUBIC METRES:   1.818             .254   *                            *                           *
CONVENTIONAL LAGOON CONTINUOUS                      * T.PHOS:   0.00        0.00  * T.PHOS:  0.00       0.00 *
                                                    *                            *
                                                    *
                                                    *                  WATERCOURSE: (KAPUSKASING WPCP)
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                                1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

****************************************************************** I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                       *                               *                              *            *
*  MUNICIPALITY   / WORKSNUMBER   POP.   AVG DAY FLOW   *         ANNUAL AVERAGE        *         ANNUAL AVERAGE       * MONTHS     *
*  EXISTING CAPACITY              SERVED    (MIGD)      *                               *                              *   OF   * MONTHS *
*  AND TREATMENT                         1000 CUBIC     *       CONC.     LOADING       *       CONC.     LOADING      *EFFLUENT*EXCEEDED*
*                                          METRES       *       (MG/L)    KG/DAY        *       (MG/L)    KG/DAY       *  DATA  *        *
*************************************************************************************************************************************


    KIRKLAND LAKE              *MIN*
                      120000015
    TOWN                         12500                  * B O D:  63.00       691.30  * B O D:  16.70       183.25 *   11        1
KIRKLAND LAKE WPCP                                      *                             *                            *
      CAPACITY (MIGD):   ( 3.000)         (   2.414 ) * S S :  102.00     1,119.25  *  S S :  15.60       171.18 *   12        1
      1000 CUBIC METRES:   13.638            10.973     *                             *                            *
CONTACT STABILIZATION                                   * T.PHOS:   3.50       38.41  * T.PHOS:  1.05        11.52 *   12        6
PHOSPHORUS REMOVAL-CONTINUOUS                           *                             *
                                                        *
                                                        *          WATERCOURSE: MURDOCK CREEK
                                                        *
                                                        *     REMEDIAL MEASURE: COLLECTION SYSTEM UPGRADING



    KIRKLAND LAKE (SWASTIKA)
                      120001648
    TOWN                           650                  * B O D:  38.00         0.00  * B O D:  23.50         0.00 *   10        6
SWASTIKA                                                *                             *                            *
      CAPACITY (MIGD):   (   .065)        (    .000 ) * S S :   59.00         0.00  *  S S :  18.70         0.00 *   10        5
      1000 CUBIC METRES:     .295               .000    *                             *                            *
COMMUNAL SEPTIC TANK                                    * T.PHOS:   9.80         0.00  * T.PHOS:  5.73         0.00 *   10
                                                        *                             *
                                                        *
                                                        *          WATERCOURSE: BLANCHE RIVER
                                                        *



    LARDER LAKE
                      120000033
    TOWNSHIP                      1100                  * B O D: 178.00               * B O D:   0.00              *            750
LARDER LAKE TOWNSITE WPCP                               *                             *                            *
      CAPACITY (MIGD):   (   .130)        (         ) * S S :  174.00               *  S S :   0.00              *    5        20
      1000 CUBIC METRES:     .591                       *                             *                            *
PRIMARY                                                 * T.PHOS:   5.70               * T.PHOS:  0.00              *
                                                        *                             *
                                                        *
                                                        *          WATERCOURSE: LARDER LAKE
                                                        *
                                                        *     REMEDIAL MEASURE: EXPANSION/UPGRADING
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NORTHEASTERN - REGION

1985 DATA - MUNICIPAL WASTEWATER TREATMENT FACILITIES

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****************************************************************** I N F L U E N T ************* E F F L U E N T ****** COMPLIANCE ***
*                                                               *                               *                                  *                   *
*  MUNICIPALITY   / WORKSNUMBER   POP.    AVG DAY FLOW *          ANNUAL AVERAGE       *          ANNUAL  AVERAGE     * MONTHS           *
*  EXISTING CAPACITY              SERVED     (MIGD)    *                               *                              *   OF    * MONTHS *
*  AND TREATMENT                          1000 CUBIC   *          CONC.     LOADING    *          CONC.     LOADING   *EFFLUENT*EXCEEDED*
*                                          METRES      *         (MG/L)     KG/DAY     *          (MG/L)    KG/DAY    *  DATA  *        *
******************************************************************************************************************************************


    LATCHFORD                 *MIN*
                     110001774
    TOWN                          427                  *  B O D:   90.00       28.80  *  B O D:   5.50       1.76 *   12
LATCHFORD WPCP                                         *                             *                           *
      CAPACITY (MIGD):   (    .075)        (     .070 ) *   S S :  161.00       51.52  *   S S :  21.10       6.75 *   12          3
      1000 CUBIC METRES:      .341               .320  *                             *                           *
EXTENDED AERATION                                      * T.PHOS:    5.70        1.82  * T.PHOS:   1.09       0.35 *   12
                                                       *                             *
                                                       *
                                                       *                WATERCOURSE: MONTREAL RIVER
                                                       *



    LITTLE CURRENT            *MIN*
                     110000392
    TOWN                         1500                  *  B O D:   15.00       11.76  *  B O D:   8.70       6.82 *    3
LITTLE CURRENT LAGOON                                  *                             *                           *
      CAPACITY (MIGD):   (    .204)        (     .172 ) *   S S :   22.00       17.25  *   S S :  14.80      11.60 *    3
      1000 CUBIC METRES:      .927               .784  *                             *                           *
CONVENTIONAL LAGOON SEASONAL                           * T.PHOS:    1.70        1.33  * T.PHOS:   2.42       1.90 *    3
                                                       *                             *
                                                       *
                                                       *                WATERCOURSE: DITCH TO GEORGIAN BAY
                                                       *



    MATTAWA                   *MIN*
                     110000436
    TOWN                         2686                  *  B O D:   89.00      104.93  *  B O D:  13.10      15.44 *    1
MATTAWA LAGOON                                         *                             *                           *
      CAPACITY (MIGD):   (    .240)        (     .259 ) *   S S :   53.00       62.49  *   S S :  24.60      29.00 *    1
      1000 CUBIC METRES:    1.091              1.179  *                             *                           *
EXFILTRATION LAGOON                                    * T.PHOS:    4.00        4.72  * T.PHOS:   1.04       1.23 *    1
                                                       *                             *
                                                       *
                                                       *                WATERCOURSE: MATTAWA RIVER
                                                       *
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                                        NORTHEASTERN  -  REGION

                              1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT  FACILITIES

*************************************************************** I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                      *                              *                            *                 *
*  MUNICIPALITY   / WORKSNUMBER   POP.    AVG DAY FLOW *          ANNUAL AVERAGE      *         ANNUAL AVERAGE     * MONTHS          *
*  EXISTING CAPACITY              SERVED     (MIGD)    *                              *                            *   OF   * MONTHS *
*  AND TREATMENT                          1000 CUBIC   *          CONC.     LOADING   *         CONC.     LOADING  *EFFLUENT*EXCEEDED*
*                                          METRES      *         (MG/L)     KG/DAY    *        (MG/L)     KG/DAY   *  DATA  *        *
************************************************************************************************************************************


    MCGARRY (VIRGINIATOWN)
                       120000024
    TOWNSHIP                         1000              * B O D:   27.00               * B O D:  25.70              *    7        5
VIRGINIATOWN AND KEARNS WPCP                           *                              *                            *
      CAPACITY (MIGD):   (    .160)        (         ) *  S S :   33.00               *  S S :  28.80              *    7        7
      1000 CUBIC METRES:      .727                     *                              *                            *
COMMUNAL SEPTIC TANK                                   * T.PHOS:   1.80               * T.PHOS:  1.70              *    7
                                                       *                              *
                                                       *
                                                       *                  WATERCOURSE: TAILING PD TO LARDER L.
                                                       *



    MICHIPICOTEN (WAWA)         *MIN*
                       110000454
    TOWNSHIP                         3800              * B O D:   22.00       26.93   * B O D:  10.40       12.73  *    3
WAWA LAGOON                                            *                              *                            *
      CAPACITY (MIGD):   (    .400)        (     .269 ) *  S S :   43.00       52.63   *  S S :  14.50       17.75  *    3
      1000 CUBIC METRES:    1.818               1.224  *                              *                            *
CONVENTIONAL LAGOON SEASONAL                           * T.PHOS:   2.40        2.94   * T.PHOS:  1.90        2.33  *    3
                                                       *                              *
                                                       *
                                                       *                  WATERCOURSE: MAGPIE RIVER
                                                       *



    MOONBEAM                    *MIN*
                       110000230
    TOWNSHIP                         1000              * B O D:  175.00       76.83   * B O D:  10.10        4.43  *    2
MOONBEAM LAGOON                                        *                              *                            *
      CAPACITY (MIGD):   (    .143)        (     .097 ) *  S S :  282.00      123.80   *  S S :  13.80        6.06  *    2
      1000 CUBIC METRES:      .650                .439 *                              *                            *
CONVENTIONAL LAGOON SEASONAL                           * T.PHOS:   7.30        3.20   * T.PHOS:  1.24        0.54  *    2
                                                       *                              *
                                                       *
                                                       *                  WATERCOURSE: CREEK SYS TO GROUNDHOG R
                                                       *
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                                             NORTHEASTERN  -  REGION

                                        1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

**************************************************************** I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                     *                              *                          *                 *
*  MUNICIPALITY   / WORKSNUMBER  POP.   AVG DAY FLOW *          ANNUAL AVERAGE      *          ANNUAL AVERAGE  * MONTHS          *
*  EXISTING CAPACITY                  SERVED    (MIGD)    *                              *                          *   OF    * MONTHS *
*  AND TREATMENT                               1000 CUBIC  *          CONC.     LOADING  *          CONC.    LOADING *EFFLUENT*EXCEEDED*
*.                                              METRES    *         (MG/L)    KG/DAY   *         (MG/L)   KG/DAY  *  DATA  *        *
**********************************************************************************************************************************


    MOOSONEE (NORTH)          *MIN*
                       120000319
    DEVELOPMENT AREA BOARD          300              *  B O D:   57.00         11.86  *  B O D:  13.50        2.81 *   10         2
MOOSONEE WPCP (NORTH)                                 *                              *                          *
      CAPACITY (MIGD):   (   .055)        (    .046 ) *   S S :  107.00         22.26  *   S S :  26.30        5.47 *   10         4
      1000 CUBIC METRES:     .250               .208  *                              *                          *
EXTENDED AERATION                                     * T.PHOS:    3.60          0.75  * T.PHOS:   0.84        0.17 *   10
                                                      *                              *
                                                      *
                                                      *                  WATERCOURSE: MOOSE RIVER
                                                      *




    MOOSONEE (OLD TOWNSITE)    *MIN*
                       110001060
    DEVELOPMENT AREA BOARD         1200              *  B O D:   93.00         55.89  *  B O D:  15.00        9.02 *   10         1
MOOSONEE WPCP (OLD TOWNSITE)                          *                              *                          *
      CAPACITY (MIGD):   (   .112)        (    .132 ) *   S S :  139.00         83.54  *   S S :  21.20       12.74 *   10         3
      1000 CUBIC METRES:     .509               .601  *                              *                          *
CONTACT STABILIZATION                                 * T.PHOS:    3.70          2.22  * T.PHOS:   1.21        0.73 *    9
                                                      *                              *
                                                      *
                                                      *                  WATERCOURSE: STORE CK TO MOOSE RIVER
                                                      *
                                                      *             REMEDIAL MEASURE: EXPANSION/UPGRADING


    NEW LISKEARD              *MIN*
                       110000515
    TOWN                           6513              *  B O D:   96.00        343.10  *  B O D:  23.50       83.99 *   12         3
NEW LISKEARD LAGOON                                   *                              *                          *
      CAPACITY (MIGD):   (   .637)        (    .786 ) *   S S :  124.00        443.18  *   S S :  28.90      103.29 *   12         1
      1000 CUBIC METRES:   2.896              3.574  *                              *                          *
CONVENTIONAL LAGOON CONTINUOUS                        * T.PHOS:    4.90         17.51  * T.PHOS:   3.13       11.19 *   12
                                                      *                              *
                                                      *
                                                      *                  WATERCOURSE: WABI RIVER
                                                      *
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                                                 NORTHEASTERN  -  REGION

                                        1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

**************************************************************** I N F L U E N T ************* E F F L U E N T ****** COMPLIANCE ***
*                                                     *                              *                           *                 *
*  MUNICIPALITY   / WORKSNUMBER   POP.   AVG DAY FLOW *           ANNUAL AVERAGE     *          ANNUAL AVERAGE   * MONTHS          *
*  EXISTING CAPACITY              SERVED    (MIGD)    *                              *                           *   OF   * MONTHS *
*  AND TREATMENT                          1000 CUBIC  *           CONC.    LOADING   *          CONC.    LOADING *EFFLUENT*EXCEEDED*
*                                         METRES      *          (MG/L)    KG/DAY    *          (MG/L)   KG/DAY  *  DATA  *        *
************************************************************************************************************************************


    NICKEL CENTRE (CONISTON)
                       110000123
    TOWN                            2790              *  B O D:  110.00      177.76  *  B O D:   8.20      13.25 *   12
CONISTON WPCP                                         *                              *                           *
      CAPACITY (MIGD):   (   .299)        (    .356 ) *   S S :  132.00      213.31  *   S S :  12.40      20.04 *   12        1
      1000 CUBIC METRES:    1.359             1.616   *                              *                           *
OXIDATION DITCH                                       * T.PHOS:    4.90        7.92  * T.PHOS:   1.67       2.70 *   12
CONVENTIONAL ACTIVATED SLUDGE                         *                              *
                                                      *
                                                      *                   WATERCOURSE: CONISTON CREEK
                                                      *



    NICKEL CENTRE (FALCONBR)
                       120001158
    TOWN                             836              *  B O D:   95.00      111.15  *  B O D:  27.50      32.18 *
FALCONBRIDGE TOWNSITE WPCP                            *                              *                           *
      CAPACITY (MIGD):   (   .100)        (    .257 ) *   S S :  120.00      140.40  *   S S :  25.90      30.30 *
      1000 CUBIC METRES:     .455             1.170   *                              *                           *
TRICKLING FILTER                                      * T.PHOS:    4.70        5.50  * T.PHOS:   2.67       3.12 *
                                                      *                              *
                                                      *
                                                      *                   WATERCOURSE: BOUCHER L TO CONISTON CR
                                                      *



    NICKEL CENTRE (GARSON)
                       120004887
    TOWN                            4107              *  B O D:    0.00        0.00  *  B O D:   0.00       0.00 *
GARSON LAGOON (STANDBY)                               *                              *                           *
      CAPACITY (MIGD):   (   .760)        (    .326 ) *   S S :    0.00        0.00  *   S S :   0.00       0.00 *
      1000 CUBIC METRES:    3.455             1.481   *                              *                           *
CONVENTIONAL LAGOON SEASONAL                          * T.PHOS:    0.00        0.00  * T.PHOS:   0.00       0.00 *
                                                      *                              *
                                                      *
                                                      *                   WATERCOURSE: FLOW TO SUDBURY WPCP
                                                      *
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                                         NORTHEASTERN  -  REGION

                                1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

****************************************************************** I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                      *                              *                             *                   *
*  MUNICIPALITY    / WORKSNUMBER   POP.   AVG DAY FLOW *          ANNUAL AVERAGE      *        ANNUAL AVERAGE       * MONTHS            *
*  EXISTING CAPACITY               SERVED    (MIGD)    *                              *                             *   OF    * MONTHS  *
*  AND TREATMENT                          1000 CUBIC   *          CONC.     LOADING   *        CONC.     LOADING    *EFFLUENT*EXCEEDED*
*                                          METRES      *          (MG/L)    KG/DAY    *        (MG/L)    KG/DAY     * DATA   *          *
*****************************************************************************************************************************************


    NICKEL CENTRE (WAHNAPIT)
                       120003156
    TOWN                         2020                  *  B O D:   29.00      17.63  *  B O D:   4.70       2.86 *    2
WAHNAPITAE LAGOON                                      *                             *                           *
      CAPACITY (MIGD):   (    .293)       (     .134 ) *   S S :   29.00      17.63  *   S S :   6.80       4.13 *    2
      1000 CUBIC METRES:     1.332               .608  *                             *                           *
CONVENTIONAL LAGOON SEASONAL                           * T.PHOS:    1.20       0.73  * T.PHOS:   0.12       0.07 *    2
                                                       *                             *
                                                       *
                                                       *             WATERCOURSE: WANAPITEI RIVER
                                                       *



    NORTH BAY                *MIN*
                       110000533
    CITY                        48000                  *  B O D:  180.00   7,212.78  *  B O D:  22.00     881.56 *   12         3
NORTH BAY WPCP                                         *                             *                           *
      CAPACITY (MIGD):   (  8.000)        (   8.816 )  *   S S :  377.00  15,106.77  *   S S :  31.40   1,258.23 *   12         9
      1000 CUBIC METRES:    36.368             40.071  *                             *                           *
CONVENTIONAL ACTIVATED SLUDGE                          * T.PHOS:   11.50     460.82  * T.PHOS:   1.68      67.32 *   12        12
PHOSPHORUS REMOVAL-CONTINUOUS                          *                             *
                                                       *
                                                       *             WATERCOURSE: LAKE NIPISSING
                                                       *
                                                       *        REMEDIAL MEASURE: EXPANSION/UPGRADING


    NORTH HIMSWORTH (CALL)   *MIN*
                       110001747
    TOWNSHIP                     1220                  *  B O D:  122.00      94.55  *  B O D:   2.90       2.25 *    2
CALLANDER LAGOON                                       *                             *                           *
      CAPACITY (MIGD):   (    .105)       (     .171 ) *   S S :  111.00      86.03  *   S S :   6.70       5.19 *    2
      1000 CUBIC METRES:      .477               .775  *                             *                           *
CONVENTIONAL LAGOON SEASONAL                           * T.PHOS:    5.00       3.88  * T.PHOS:   0.56       0.43 *    2
PHOSPHORUS REMOVAL - BATCH                             *                             *
                                                       *
                                                       *             WATERCOURSE: DITCH TO CALLANDER BAY
                                                       *
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*************************************************************** I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                    *                              *                          *                 *
*  MUNICIPALITY   / WORKSNUMBER  POP.   AVG DAY FLOW *           ANNUAL AVERAGE     *         ANNUAL AVERAGE   * MONTHS          *
*  EXISTING CAPACITY             SERVED     (MIGD)   *                              *                          *   OF   * MONTHS *
*  AND TREATMENT                         1000 CUBIC  *           CONC.    LOADING   *         CONC.    LOADING *EFFLUENT*EXCEEDED*
*                                        METRES      *          (MG/L)    KG/DAY    *        (MG/L)    KG/DAY  * DATA   *        *
**********************************************************************************************************************************


    ONAPING FALLS (DOWLING)
                       110003077
    TOWN                            2090             *  B O D:   52.00       96.15  * B O D:   7.60      14.05 *   12
DOWLING WPCP                                         *                              *                          *
      CAPACITY (MIGD):   (   .459)        (   .407 ) *   S S :   52.00       96.15  *  S S :   6.20      11.46 *   12
      1000 CUBIC METRES:    2.087            1.849   *                              *                          *
EXTENDED AERATION                                    * T.PHOS:    3.80        7.03  * T.PHOS:  1.77       3.27 *   11
                                                     *                              *
                                                     *
                                                     *                   WATERCOURSE: ONAPING  RIVER
                                                     *



    ONAPING FALLS (LEVACK)
                       120001194
    TOWN                            2008             *  B O D:   81.00      110.08  * B O D:   4.50       6.12 *   12
LEVACK WPCP                                          *                              *                          *
      CAPACITY (MIGD):   (   .349)        (   .299 ) *   S S :   88.00      119.59  *  S S :   3.60       4.89 *   12
      1000 CUBIC METRES:    1.587            1.359   *                              *                          *
EXTENDED AERATION                                    * T.PHOS:    3.90        5.30  * T.PHOS:  1.85       2.51 *   12
                                                     *                              *
                                                     *
                                                     *                   WATERCOURSE: ONAPING RIVER
                                                     *



    ONAPING FALLS (ONAPING)
                       120001149
    TOWN                             964             *  B O D:   65.00       39.39  * B O D:   9.50       5.76 *   12
ONAPING WPCP                                         *                              *                          *
      CAPACITY (MIGD):   (   .150)        (   .133 ) *   S S :   70.00       42.42  *  S S :  11.40       6.91 *   12
      1000 CUBIC METRES:     .682             .606   *                              *                          *
CONVENTIONAL ACTIVATED SLUDGE                        * T.PHOS:    4.70        2.85  * T.PHOS:  2.75       1.67 *   12
                                                     *                              *
                                                     *
                                                     *                   WATERCOURSE: SWAMP TO ONAPING RIVER
                                                     *
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NORTHEASTERN - REGION

1985 DATA - MUNICIPAL WASTEWATER TREATMENT FACILITIES

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************************************************************** I N F L U E N T ************* E F F L U E N T ****** COMPLIANCE ***
*                                                    *                             *                          *                *
*  MUNICIPALITY   / WORKSNUMBER  POP.   AVG DAY FLOW *          ANNUAL AVERAGE     *         ANNUAL AVERAGE   * MONTHS         *
*  EXISTING CAPACITY             SERVED    (MIGD)    *                             *                          *  OF   * MONTHS *
*  AND TREATMENT                         1000 CUBIC  *          CONC.    LOADING   *         CONC.    LOADING *EFFLUENT*EXCEEDED*
*                                        METRES      *          (MG/L)   KG/DAY    *         (MG/L)   KG/DAY  *  DATA *        *
********************************************************************************************************************************


    OPASATIKA                 *MIN*
                      120000658
    TOWNSHIP                        600              * B O D:    0.00              * B O D:   0.00            *
OPASATIKA LAGOON                                     *                             *                          *
      CAPACITY (MIGD):   (   .400)       (         ) *  S S :    0.00              *  S S :   0.00            *
      1000 CUBIC METRES:   1.818                     *                             *                          *
CONVENTIONAL LAGOON SEASONAL                         * T.PHOS:   0.00              * T.PHOS:  0.00            *
PHOSPHORUS REMOVAL - BATCH                           *                             *
                                                     *
                                                     *                  WATERCOURSE: OPASATIKA RIVER
                                                     *



    PARRY SOUND               *MIN*
                      110000560
    TOWN                           5500              * B O D:   86.00       338.50 * B O D:   6.50      25.58 *  12
PARRY SOUND WPCP                                     *                             *                          *
      CAPACITY (MIGD):   (  1.450)       (    .866 ) *  S S :  101.00       397.54 *  S S :   5.70      22.44 *  12
      1000 CUBIC METRES:   6.592              3.936  *                             *                          *
CONVENTIONAL ACTIVATED SLUDGE                        * T.PHOS:    3.00       11.81 * T.PHOS:  0.55       2.16 *  12
PHOSPHORUS REMOVAL-CONTINUOUS                        *                             *
                                                     *
                                                     *                  WATERCOURSE: MC CURRY LAKE
                                                     *



    POWASSAN                  *MIN*
                      110000613
    TOWN                           1100              * B O D:   87.00        83.52 * B O D:   8.40       8.06 *   2
POWASSAN LAGOON                                      *                             *                          *
      CAPACITY (MIGD):   (   .186)       (    .211 ) *  S S :  101.00        96.96 *  S S :  12.60      12.10 *   2
      1000 CUBIC METRES:    .846              .960   *                             *                          *
CONVENTIONAL LAGOON SEASONAL                         * T.PHOS:    2.80        2.69 * T.PHOS:  0.80       0.77 *   2
PHOSPHORUS REMOVAL - BATCH                           *                             *
REGULATED DISCHARGE VOLUME                           *
                                                     *                  WATERCOURSE: GENESEE CREEK
                                                     *
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                                      NORTHEASTERN  -  REGION

                              1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

************************************************************** I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                      *                              *                              *              *
*  MUNICIPALITY   / WORKSNUMBER   POP.   AVG DAY FLOW *         ANNUAL  AVERAGE      *         ANNUAL  AVERAGE      * MONTHS       *
*  EXISTING CAPACITY               SERVED    (MIGD)    *                              *                              *   OF   * MONTHS *
*  AND TREATMENT                            1000 CUBIC *         CONC.     LOADING    *         CONC.     LOADING    *EFFLUENT*EXCEEDED*
*                                            METRES    *         (MG/L)    KG/DAY     *         (MG/L)    KG/DAY     *  DATA  *        *
*************************************************************************************************************************************


    RATTER & DUNNET (WARREN)    *MIN*
                    110001916
    TOWNSHIP                      612                  * B O D:   82.00      22.80  * B O D:  1.30        0.36 *    1
WARREN LAGOON                                          *                             *                           *
      CAPACITY (MIGD):   (   .150)         (    .061 ) *  S S :  120.00      33.36  *  S S :  2.50        0.70 *    1
      1000 CUBIC METRES:     .682               .278   *                             *                           *
CONVENTIONAL LAGOON SEASONAL                           * T.PHOS:   4.40       1.22  * T.PHOS:  0.44        0.12 *    1
PHOSPHORUS REMOVAL - BATCH                             *                             *
                                                       *
                                                       *              WATERCOURSE: VEUVE RIVER
                                                       *


    RAYSIDE-BALFOUR (AZILDA)
                    110001783
    TOWN                         4373                  * B O D:  108.00     198.29  * B O D:  3.90        7.16 *   12
AZILDA WPCP                                            *                             *                           *
      CAPACITY (MIGD):   (   .625)         (    .404 ) *  S S :   93.00     170.75  *  S S :  5.20        9.55 *   12
      1000 CUBIC METRES:   2.841              1.836    *                             *                           *
EXTENDED AERATION                                      * T.PHOS:   4.60       8.45  * T.PHOS:  1.21        2.22 *   12         4
PHOSPHORUS REMOVAL-CONTINUOUS                          *                             *
                                                       *
                                                       *              WATERCOURSE: WHITSON CREEK
                                                       *


    RAYSIDE-BALFOUR (CHELMS)
                    120001176
    TOWN                         8162                  * B O D:   89.00     165.18  * B O D: 24.70       45.84 *    5         2
CHELMSFORD LAGOON                                      *                             *                           *
      CAPACITY (MIGD):   (   .181)         (    .408 ) *  S S :   94.00     174.46  *  S S : 34.50       64.03 *    5         1
      1000 CUBIC METRES:     .823             1.856    *                             *                           *
CONVENTIONAL LAGOON SEASONAL                           * T.PHOS:   4.60       8.54  * T.PHOS:  2.63        4.88 *    5
                                                       *                             *
                                                       *
                                                       *              WATERCOURSE: MCKENZIE CREEK
                                                       *
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*************************************************************** I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                        *                                *                            *          *
*  MUNICIPALITY   / WORKSNUMBER   POP.    AVG DAY FLOW *            ANNUAL  AVERAGE     *           ANNUAL  AVERAGE   * MONTHS                *
*  EXISTING CAPACITY             SERVED     (MIGD)     *                                *                             *   OF    * MONTHS *
*  AND TREATMENT                          1000 CUBIC   *            CONC.     LOADING   *           CONC.    LOADING *EFFLUENT*EXCEEDED*
*                                          METRES      *            (MG/L)    KG/DAY    *           (MG/L)   KG/DAY  *  DATA  *        *
*************************************************************************************************************************************


    RAYSIDE-BALFOUR (CHELMS)
                   120001568
    TOWN                           4934                * B O D:   90.00       337.59  * B O D:   5.20      19.51 *   12
CHELMSFORD WPCP                                        *                              *                            *
      CAPACITY (MIGD):   (  1.250)        (    .825 ) *   S S :  122.00       457.62  *   S S :  5.50      20.63 *   12
      1000 CUBIC METRES:    5.683               3.751  *                              *                            *
EXTENDED AERATION                                      * T.PHOS:    3.80        14.25  * T.PHOS:  0.69       2.59 *   12        3
CONTACT STABILIZATION                                  *                              *
PHOSPHORUS REMOVAL-CONTINUOUS                          *
                                                       *               WATERCOURSE: WHITSON RIVER
                                                       *



    SAULT STE.MARIE          *MIN*
                   110000640
    CITY                          75000                * B O D:  137.00     6,888.22  * B O D:  83.20   4,183.21 *   12        4
SAULT STE.MARIE WPCP                                   *                              *                            *
      CAPACITY (MIGD):   ( 12.000)        (  11.061 ) *   S S :  160.00     8,044.64  *   S S : 59.90   3,011.71 *   12
      1000 CUBIC METRES:   54.552              50.279  *                              *                            *
PRIMARY                                                * T.PHOS:    5.00       251.40  * T.PHOS:  4.23     212.68 *   12
                                                       *                              *
                                                       *
                                                       *               WATERCOURSE: ST. MARY'S RIVER
                                                       *
                                                       *          REMEDIAL MEASURE: EXPANSION/UPGRADING


    SHACKLETON & MACHIN      *MIN*
                   110001792
    TOWNSHIP                        650                * B O D:  158.00        89.90  * B O D:   8.80       5.01 *    2
FAUQUIER LAGOON                                        *                              *                            *
      CAPACITY (MIGD):   (   .060)        (    .125 ) *   S S :  361.00       205.41  *   S S : 21.00      11.95 *    2
      1000 CUBIC METRES:     .273                .569  *                              *                            *
CONVENTIONAL LAGOON SEASONAL                           * T.PHOS:    4.30         2.45  * T.PHOS:  1.16       0.66 *    2
                                                       *                              *
                                                       *
                                                       *               WATERCOURSE: GROUNDHOG RIVER
                                                       *
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                                    NORTHEASTERN  -  REGION

                         1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

****************************************************************** I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                        *                               *                              *             *
*  MUNICIPALITY   / WORKSNUMBER    POP.    AVG DAY FLOW *           ANNUAL AVERAGE      *          ANNUAL AVERAGE      * MONTHS      *
*  EXISTING CAPACITY                SERVED     (MIGD)    *                               *                              *   OF   * MONTHS *
*  AND TREATMENT                             1000 CUBIC  *           CONC.     LOADING   *          CONC.     LOADING   *EFFLUENT*EXCEEDED*
*                                              METRES    *          (MG/L)     KG/DAY    *          (MG/L)    KG/DAY    *  DATA  *        *
****************************************************************************************************************************************


    SMOOTH ROCK FALLS          *MIN*
                      110002130
    TOWN                         2251                 * B O D:  57.00       106.59 * B O D:  6.10       11.41 *  12        1
SMOOTH ROCK FALLS WPCP                                 *                            *                           *
      CAPACITY (MIGD):   (   .360)        (     .411 ) *  S S :  50.00        93.50 *  S S :  6.00       11.22 *  12
      1000 CUBIC METRES:    1.637              1.870   *                            *                           *
EXTENDED AERATION                                      * T.PHOS:   3.20         5.98 * T.PHOS:  1.87        3.50 *  12
                                                       *                            *
                                                       *
                                                       *                WATERCOURSE: MATTAGAMI RIVER
                                                       *



    STURGEON FALLS             *MIN*
                      110001435
    TOWN                         6040                 * B O D:  70.00       390.60 * B O D:  4.50       25.11 *  12
STURGEON FALLS WPCP                                    *                            *                           *
      CAPACITY (MIGD):   ( 1.000)         (   1.228 ) *  S S :  85.00       474.30 *  S S :  5.90       32.92 *  12
      1000 CUBIC METRES:    4.546              5.580   *                            *                           *
CONVENTIONAL ACTIVATED SLUDGE                          * T.PHOS:   3.20        17.86 * T.PHOS:  0.49        2.73 *  11
PHOSPHORUS REMOVAL-CONTINUOUS                          *                            *
                                                       *
                                                       *                WATERCOURSE: STURGEON RIVER
                                                       *



    SUDBURY
                      110000711
    CITY                        95000                 * B O D:  88.00     4,576.44 * B O D: 11.80      613.66 *  12        1
SUDBURY WPCP                                           *                            *                           *
      CAPACITY (MIGD):   ( 15.000)        (  11.441 ) *  S S : 109.00     5,668.55 *  S S :  8.30      431.64 *  12
      1000 CUBIC METRES:   68.190             52.005   *                            *                           *
HIGH RATE                                              * T.PHOS:   4.20       218.42 * T.PHOS:  2.10      109.21 *  12
                                                       *                            *
                                                       *
                                                       *                WATERCOURSE: JUNCTION CREEK
                                                       *
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                                                 NORTHEASTERN  -  REGION

                                        1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT  FACILITIES

**************************************************************** I N F L U E N T ************* E F F L U E N T ****** COMPLIANCE ***
*                                                     *                              *                           *                 *
*  MUNICIPALITY   / WORKSNUMBER   POP.   AVG DAY FLOW *           ANNUAL  AVERAGE    *          ANNUAL  AVERAGE  * MONTHS          *
*  EXISTING CAPACITY              SERVED    (MIGD)    *                              *                           *  OF   * MONTHS *
*  AND TREATMENT                          1000 CUBIC  *           CONC.    LOADING   *          CONC.    LOADING *EFFLUENT*EXCEEDED*
*                                         METRES      *          (MG/L)    KG/DAY    *         (MG/L)    KG/DAY  *  DATA  *        *
************************************************************************************************************************************


    SUNDRIDGE                  *MIN*
                       110001961
    VILLAGE                          740              *  B O D:   53.00       42.03  *  B O D:   2.70       2.14 *    3
SUNRIDGE LAGOON                                       *                              *                           *
      CAPACITY (MIGD):   (   .144)        (    .174 ) *   S S :   44.00       34.89  *   S S :   8.40       6.66 *    3
      1000 CUBIC METRES:     .655              .793   *                              *                           *
CONVENTIONAL LAGOON SEASONAL                          * T.PHOS:    2.40        1.90  * T.PHOS:   0.56       0.44 *    3
PHOSPHORUS REMOVAL - BATCH                            *                              *
                                                      *
                                                      *                   WATERCOURSE: BERNARD CREEK
                                                      *


    TEMAGAMI                   *MIN*
                       110002327
    TOWNSHIP                         440              *  B O D:  296.00       43.51  *  B O D:   0.00       0.00 *
TEMAGAMI LAGOON                                       *                              *                           *
      CAPACITY (MIGD):   (   .025)        (    .032 ) *   S S :  167.00       24.55  *   S S :   0.00       0.00 *
      1000 CUBIC METRES:     .114              .147   *                              *                           *
CONVENTIONAL LAGOON SEASONAL                          * T.PHOS:   10.10        1.48  * T.PHOS:   0.00       0.00 *
PHOSPHORUS REMOVAL - BATCH                            *                              *
                                                      *
                                                      *                   WATERCOURSE: SNAKE ISLAND LAKE
                                                      *


    TEMAGAMI (NORTH GOWARD)
                       120000783
    TOWNSHIP                         350              *  B O D:   76.00       14.74  *  B O D:   8.40       1.63 *    4
NORTH GOWARD LAGOON                                   *                              *                           *
      CAPACITY (MIGD):   (   .086)        (    .043 ) *   S S :   73.00       14.16  *   S S :  18.30       3.55 *    4        1
      1000 CUBIC METRES:     .391              .194   *                              *                           *
AERATED CELL PLUS LAGOON                              * T.PHOS:    3.60        0.70  * T.PHOS:   2.14       0.42 *    4
                                                      *                              *
                                                      *
                                                      *                   WATERCOURSE: NET LAKE
                                                      *
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                                            NORTHEASTERN  -  REGION

                                   1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

***************************************************************** I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                      *                              *                           *                 *
*  MUNICIPALITY   / WORKSNUMBER    POP.   AVG DAY FLOW *          ANNUAL  AVERAGE     *          ANNUAL  AVERAGE  * MONTHS          *
*  EXISTING CAPACITY               SERVED    (MIGD)    *                              *                           *   OF   * MONTHS *
*  AND TREATMENT                          1000 CUBIC   *          CONC.    LOADING    *          CONC.    LOADING *EFFLUENT*EXCEEDED*
*                                         METRES       *          (MG/L)   KG/DAY     *          (MG/L)   KG/DAY  *  DATA  *        *
*************************************************************************************************************************************


    THESSALON                   *MIN*
                      110002434
    TOWN                           1600                * B O D:  55.00       69.25  * B O D:  12.00     15.11 *   2
THESSALON LAGOON                                       *                            *                         *
      CAPACITY (MIGD):  (   .271)        (     .277 )  *  S S :  48.00       60.43  *  S S :  11.10     13.97 *   2
      1000 CUBIC METRES:   1.232             1.259     *                            *                         *
CONVENTIONAL LAGOON SEASONAL                           * T.PHOS:   2.50       3.15  * T.PHOS:   1.77      2.23 *   2
                                                       *                            *
                                                       *
                                                       *                  WATERCOURSE: THESSALON   RIVER
                                                       *



    TIMMINS (BOB'S LAKE)
                      120000275
    CITY                            170                * B O D:  95.00              * B O D:  28.00           *   5        1
BOB'S LAKE LAGOON                                      *                            *                         *
      CAPACITY (MIGD):  (   .017)        (          )  *  S S : 166.00              *  S S :  45.90           *   5        3
      1000 CUBIC METRES:    .077                       *                            *                         *
CONVENTIONAL LAGOON CONTINUOUS                         * T.PHOS:   7.00             * T.PHOS:   2.43          *   5
                                                       *                            *
                                                       *
                                                       *                  WATERCOURSE: BOB'S CK TO PORCUPINE L.
                                                       *



    TIMMINS (MATTAGAMI)
                      110000766
    CITY                          33000                * B O D: 114.00    2,362.65  * B O D:  30.60    634.19 *  11        2
MATTAGAMI WPCP                                         *                            *                         *
      CAPACITY (MIGD):  (  7.500)        (   4.560 )   *  S S : 162.00    3,357.45  *  S S :  45.60    945.06 *  12
      1000 CUBIC METRES:  34.095            20.725     *                            *                         *
PRIMARY                                                * T.PHOS:   5.30     109.84  * T.PHOS:   2.53     52.43 *   9
                                                       *                            *
                                                       *
                                                       *                  WATERCOURSE: MATTAGAMI RIVER
                                                       *
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                                                 NORTHEASTERN  -  REGION

                                        1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

**************************************************************** I N F L U E N T ************* E F F L U E N T ****** COMPLIANCE ***
*                                                     *                              *                          *                 *
*  MUNICIPALITY   / WORKSNUMBER   POP.   AVG DAY FLOW *           ANNUAL AVERAGE     *         ANNUAL AVERAGE   * MONTHS          *
*  EXISTING CAPACITY              SERVED    (MIGD)    *                              *                          *   OF   * MONTHS *
*  AND TREATMENT                          1000 CUBIC  *           CONC.    LOADING   *         CONC.    LOADING *EFFLUENT*EXCEEDED*
*                                         METRES      *          (MG/L)    KG/DAY    *        (MG/L)   KG/DAY   *  DATA  *        *
************************************************************************************************************************************


    TIMMINS (WHITNEY&TISDALE
                       110001391
    CITY                            7300              *  B O D:  104.00      541.63  *  B O D:   8.80      45.83 *   10        1
WHITNEY & TISDALE WPCP                                *                              *                          *
      CAPACITY (MIGD):   (  1.500)        (   1.146 ) *   S S :  111.00      578.09  *   S S :   8.10      42.18 *   10
      1000 CUBIC METRES:    6.819             5.208   *                              *                          *
EXTENDED AERATION                                     * T.PHOS:    4.70       24.48  * T.PHOS:   2.74      14.27 *   10
                                                      *                              *
                                                      *
                                                      *                   WATERCOURSE: PORCUPINE RIVER
                                                      *



    VAL RITA-HARTY (HARTY)
                       120003316
    TOWNSHIP                         140              *  B O D:  171.00              *  B O D:   0.00            *
HARTY LAGOON                                          *                              *                          *
      CAPACITY (MIGD):   (   .500)        (         ) *   S S :  139.00              *   S S :   0.00            *
      1000 CUBIC METRES:    2.273                     *                              *                          *
CONVENTIONAL LAGOON SEASONAL                          * T.PHOS:    6.00              * T.PHOS:   0.00            *
                                                      *                              *
                                                      *
                                                      *                   WATERCOURSE: NO NAME CREEK
                                                      *



    VAL RITA-HARTY (VAL-RITA   *MIN*
                       110002318
    TOWNSHIP                         580              *  B O D:    0.00              *  B O D:   0.00            *
VAL-RITA LAGOON                                       *                              *                          *
      CAPACITY (MIGD):   (   .125)        (         ) *   S S :    0.00              *   S S :   0.00            *
      1000 CUBIC METRES:     .568                     *                              *                          *
CONVENTIONAL LAGOON SEASONAL                          * T.PHOS:    0.00              * T.PHOS:   0.00            *
                                                      *                              *
                                                      *
                                                      *                   WATERCOURSE: CREEK TO KAPUSKASING R.
                                                      *
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                                      NORTHEASTERN  -  REGION

                           1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

****************************************************************** I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                       *                            *                           *                  *
*  MUNICIPALITY   / WORKSNUMBER   POP.   AVG DAY FLOW   *       ANNUAL AVERAGE       *       ANNUAL AVERAGE      * MONTHS           *
*  EXISTING CAPACITY              SERVED    (MIGD)      *                            *                           *   OF    * MONTHS *
*  AND TREATMENT                          1000 CUBIC    *       CONC.     LOADING    *       CONC.     LOADING   *EFFLUENT*EXCEEDED*
*                                          METRES       *       (MG/L)    KG/DAY     *       (MG/L)    KG/DAY    *  DATA  *         *
***************************************************************************************************************************************


   VALLEY EAST(HAMNER ECT)
                  110001541
   TOWN                          17337                  *  B O D:  106.00     593.71  *  B O D:  14.30     80.09 *  12        2
HAMNER,VAL-CARON,VAL-THERESE WPCP                       *                             *                          *
     CAPACITY (MIGD):   ( 2.500)          (   1.232 ) *   S S :  159.00     890.56  *   S S :   5.10     28.57 *  12
     1000 CUBIC METRES:   11.365              5.601     *                             *                          *
CONVENTIONAL ACTIVATED SLUDGE                           * T.PHOS:    5.20      29.13  * T.PHOS:   0.69      3.86 *  11
PHOSPHORUS REMOVAL-CONTINUOUS                           *                             *
                                                        *
                                                        *                WATERCOURSE: VERMILION RIVER
                                                        *



   WALDEN (LIVELY)
                  120001185
   TOWN                           3669                  *  B O D:  116.00     137.00  *  B O D:   7.50      8.86 *  12
LIVELY WPCP                                             *                             *                          *
     CAPACITY (MIGD):   (   .350)         (    .260 ) *   S S :  144.00     170.06  *   S S :   5.50      6.50 *  12
     1000 CUBIC METRES:    1.591              1.181     *                             *                          *
EXTENDED AERATION                                       * T.PHOS:    5.70       6.73  * T.PHOS:   2.30      2.72 *  12
                                                        *                             *
                                                        *
                                                        *                WATERCOURSE: MEATBIRD CREEK
                                                        *



   WALDEN (MIKKOLA)
                  120001531
   TOWN                           1600                  *  B O D:   75.00      88.95  *  B O D:   3.80      4.51 *  12
MIKKOLA WPCP                                            *                             *                          *
     CAPACITY (MIGD):   (   .960)         (    .261 ) *   S S :   99.00     117.41  *   S S :   4.30      5.10 *  12
     1000 CUBIC METRES:    4.364              1.186     *                             *                          *
EXTENDED AERATION                                       * T.PHOS:    4.60       5.46  * T.PHOS:   2.66      3.15 *  12
                                                        *                             *
                                                        *
                                                        *                WATERCOURSE: JUNCTION CREEK
                                                        *
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NORTHEASTERN - REGION

1985 DATA - MUNICIPAL WASTEWATER TREATMENT FACILITIES

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**************************************************************** I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                     *                              *                          *                 *
*  MUNICIPALITY   / WORKSNUMBER   POP.   AVG DAY FLOW *           ANNUAL AVERAGE     *         ANNUAL AVERAGE   * MONTHS          *
*  EXISTING CAPACITY              SERVED    (MIGD)    *                              *                          *   OF   * MONTHS *
*  AND TREATMENT                          1000 CUBIC  *           CONC.    LOADING   *         CONC.    LOADING *EFFLUENT*EXCEEDED*
*                                         METRES      *          (MG/L)   KG/DAY     *         (MG/L)   KG/DAY  *  DATA  *        *
***********************************************************************************************************************************


    WEBBWOOD                   *MIN*
                       110001881
    TOWN                             460              *  B O D:  215.00       22.15  *  B O D:  13.10       1.35 *    1
WEBBWOOD LAGOON                                       *                              *                          *
      CAPACITY (MIGD):   (   .075)        (    .023 ) *   S S :  113.00       11.64  *  S S :  22.00       2.27 *    1
      1000 CUBIC METRES:     .341              .103   *                              *                          *
CONVENTIONAL LAGOON SEASONAL                          * T.PHOS:   11.10        1.14  * T.PHOS:   2.49       0.26 *    1
                                                      *                              *
                                                      *
                                                      *                   WATERCOURSE: GOUGH CREEK
                                                      *
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NORTHEASTERN REGION

WASTEWATER TREATMENT

REGIONAL MUNICIPALITIES

REGIONAL MUNICIPALITIES	CAPACITY	
	$1000m^3$	MIGD
SUDBURY	107.4	23.6

REGIONAL MUNICIPALITY OF SUDBURY

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD (1000M^3)	POPULATION SERVED	OPERATED BY
CAPREOL TOWN CAPREOL LAGOON 120001210	EXFILTRATION LAGOON	NO DISC TO SURFACE WATER	.340 (1.546)	2949	MUNICIPALITY
NICKEL CENTRE (CONISTON) TOWN CONISTON WPCP 110000123	OXIDATION DITCH CONVENTIONAL ACTIVATED SLUDGE	CONISTON CREEK	.299 (1.359)	2790	MUNICIPALITY
NICKEL CENTRE (FALCONBR) TOWN FALCONBRIDGE TOWNSITE WPCP 120001158	TRICKLING FILTER	BOUCHER L TO CONISTON CR	.100 (.455)	836	MUNICIPALITY
NICKEL CENTRE (GARSON) TOWN GARSON LAGOON (STANDBY) 120004887	CONVENTIONAL LAGOON SEASONAL	FLOW TO SUDBURY WPCP	.760 (3.455)	4107	MUNICIPALITY
NICKEL CENTRE (WAHNAPIT) TOWN WAHNAPITAE LAGOON 120003156	CONVENTIONAL LAGOON SEASONAL	WANAPITEI RIVER	.293 (1.332)	2020	MUNICIPALITY
ONAPING FALLS (DOWLING) TOWN DOWLING WPCP 110003077	EXTENDED AERATION	ONAPING RIVER	.459 (2.087)	2090	MUNICIPALITY
ONAPING FALLS (LEVACK) TOWN LEVACK WPCP 120001194	EXTENDED AERATION	ONAPING RIVER	.349 (1.587)	2008	MUNICIPALITY
ONAPING FALLS (ONAPING) TOWN ONAPING WPCP 120001149	CONVENTIONAL ACTIVATED SLUDGE	SWAMP TO ONAPING RIVER	.150 (.682)	964	MUNICIPALITY

REGIONAL MUNICIPALITY OF SUDBURY

MUNICIPALITY	TREATMENT TYPE	WATERCOURSE/AREA SCHEME SYSTEM	CAPACITY MIGD $(1000M^3)$	POPULATION SERVED	OPERATED BY
RAYSIDE-BALFOUR (AZILDA) TOWN AZILDA WPCP 110001783	EXTENDED AERATION PHOSPHORUS REMOVAL-CONTINUOUS	WHITSON CREEK	.625 (2.841)	4373	MUNICIPALITY
RAYSIDE-BALFOUR (CHELMS) TOWN CHELMSFORD LAGOON 120001176	CONVENTIONAL LAGOON SEASONAL	MCKENZIE CREEK	.181 (.823)	8162	MUNICIPALITY
RAYSIDE-BALFOUR (CHELMS) TOWN CHELMSFORD WPCP 120001568	EXTENDED AERATION CONTACT STABILIZATION PHOSPHORUS REMOVAL-CONTINUOUS	WHITSON RIVER	1.250 (5.683)	4934	MUNICIPALITY
SUDBURY CITY SUDBURY WPCP 110000711	HIGH RATE	JUNCTION CREEK	15.000 (68.190)	95000	MUNICIPALITY
VALLEY EAST(HAMNER ECT) TOWN HAMNER,VAL-CARON,VAL-THERESE WPCP 110001541	CONVENTIONAL ACTIVATED SLUDGE PHOSPHORUS REMOVAL-CONTINUOUS	VERMILION RIVER	2.500 (11.365)	17337	MUNICIPALITY
WALDEN (LIVELY) TOWN LIVELY WPCP 120001185	EXTENDED AERATION	MEATBIRD CREEK	.350 (1.591)	3669	MUNICIPALITY
WALDEN (MIKKOLA) TOWN MIKKOLA WPCP 120001531	EXTENDED AERATION	JUNCTION CREEK	.960 (4.364)	1600	MUNICIPALITY
		TOTAL CAPACITY	23.616 (107.358)		

Northwestern Region

⑥

Ontario

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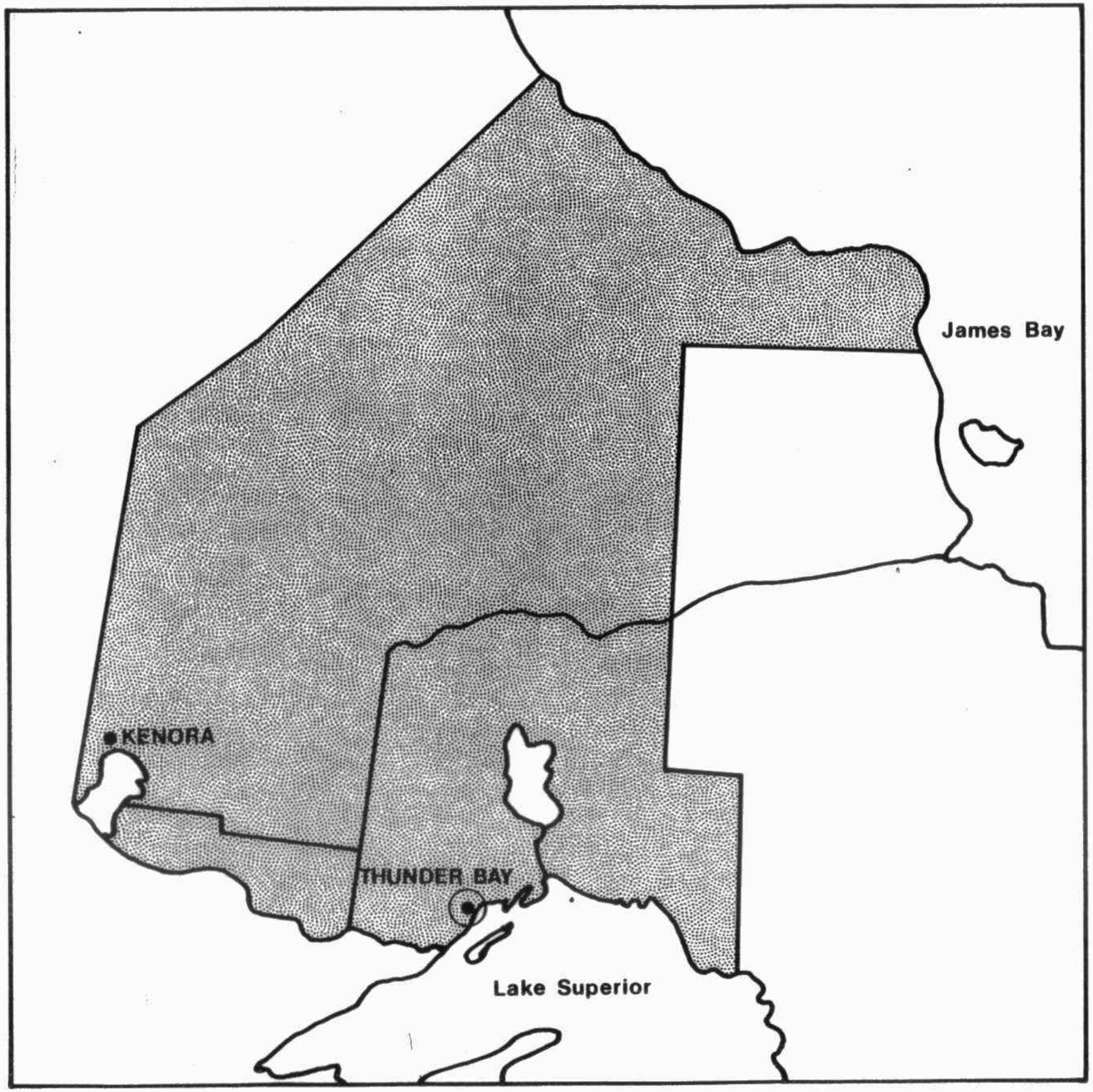
Environment



REGIONAL OFFICE

Thunder Bay
435 James St. S.
P.O. Box 5000
P7C 5G8
807 475-1205

DISTRICT OFFICES

Kenora
808 Robertson St.
P9N 1X9
807 468-5578

Thunder Bay
435 James St. S.
P.O. Box 5000
P7C 5G8
807 475-1315

NORTHWESTERN REGION SUMMARY

TREATMENT TYPE	<---- NUMBER ---->			<---- ** CAPACITY MIGD ** ($1000M^3$) ---->		
	MINISTRY	MUNICIPAL	TOTAL	MINISTRY	MUNICIPAL	TOTAL
COMMUNAL SEPTIC TANK	1	2	3	.060	.430	.490 (2.228)
PRIMARY	1	3	4	2.000	24.640	26.640 (121.105)
CONVENTIONAL ACTIVATED SLUDGE	0	1	1	.000	.500	.500 (2.273)
CONTACT STABILIZATION	1	2	3	.515	5.500	6.015 (27.344)
EXTENDED AERATION	10	2	12	4.286	.133	4.419 (20.089)
CONVENTIONAL LAGOON CONTINUOUS	0	1	1	.000	.300	.300 (1.364)
CONVENTIONAL LAGOON SEASONAL	3	0	3	.447	.000	.447 (2.032)
EXFILTRATION LAGOON	1	0	1	.300	.000	.300 (1.364)
**** TOTALS ****	17	11	28	7.608 (34.586)	31.503 (143.213)	39.111 (177.799)

** MIGD: MILLIONS OF IMPERIAL GALLONS PER DAY | CONVERSION FACTOR

$1000M^3$:THOUSANDS OF CUBIC METRES | 1 MIGD = 4.546 $1000M^3$

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                                                 NORTHWESTERN  -  REGION

                                        1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

****************************************************************** I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                      *                              *                           *                 *
*  MUNICIPALITY   / WORKSNUMBER   POP.    AVG DAY FLOW *          ANNUAL AVERAGE      *          ANNUAL AVERAGE   * MONTHS          *
*  EXISTING CAPACITY              SERVED     (MIGD)    *                              *                           *   OF    * MONTHS *
*  AND TREATMENT                           1000 CUBIC  *          CONC.     LOADING   *          CONC.    LOADING *EFFLUENT*EXCEEDED*
*                                          METRES      *         (MG/L)     KG/DAY    *         (MG/L)    KG/DAY  *  DATA  *        *
*************************************************************************************************************************************


    ATIKOKAN              *MIN*
                   110001523
    TOWNSHIP                   4500                    *  B O D:  37.00      140.90   *  B O D:  3.00      11.42 *   12
ATIKOKAN WPCP                                          *                              *                          *
      CAPACITY (MIGD):   (    .898)        (      .838 ) *  S S :  67.00      255.14   *   S S : 17.20      65.50 *   12        2
      1000 CUBIC METRES:    4.082             3.808    *                              *                          *
EXTENDED AERATION                                      * T.PHOS:   2.40        9.14   * T.PHOS:  0.71       2.70 *   12        2
PHOSPHORUS REMOVAL-CONTINUOUS                          *                              *
                                                       *
                                                       *                  WATERCOURSE: ATIKOKAN  RIVER
                                                       *
                                                       *             REMEDIAL MEASURE: COLLECTION SYSTEM UNDER STUDY


    ATWOOD (RAINY RIVER)        *MIN*
                   110002292
    TOWNSHIP                    975                    *  B O D:  66.00       66.86   *  B O D: 10.90      11.04 *    7        1
RAINY RIVER LAGOON                                     *                              *                          *
      CAPACITY (MIGD):   (    .218)        (      .223 ) *  S S : 124.00      125.61   *   S S : 10.70      10.84 *    7
      1000 CUBIC METRES:     .991             1.013    *                              *                          *
CONVENTIONAL LAGOON SEASONAL                           * T.PHOS:   3.70        3.75   * T.PHOS:  1.05       1.06 *    7
                                                       *                              *
                                                       *
                                                       *                  WATERCOURSE: RAINY    RIVER
                                                       *


    BAIRD (MADSEN)              *MIN*
                   110002363
    TOWNSHIP                    300                    *  B O D:   0.00               *  B O D:  0.00            *
MADSEN COMMUNITY WPCP                                  *                              *                          *
      CAPACITY (MIGD):   (    .060)        (           ) *  S S :   0.00               *   S S :  0.00            *
      1000 CUBIC METRES:     .273                      *                              *                          *
COMMUNAL SEPTIC TANK                                   * T.PHOS:   0.00               * T.PHOS:  0.00            *
                                                       *                              *
                                                       *
                                                       *                  WATERCOURSE: RED LAKE
                                                       *
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NORTHWESTERN - REGION

1985 DATA - MUNICIPAL WASTEWATER TREATMENT FACILITIES

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**************************************************************** I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                     *                              *                          *                 *
*  MUNICIPALITY   / WORKSNUMBER   POP.   AVG DAY FLOW *         ANNUAL AVERAGE       *         ANNUAL AVERAGE   * MONTHS          *
*  EXISTING CAPACITY              SERVED    (MIGD)    *                              *                          *   OF   * MONTHS *
*  AND TREATMENT                         1000 CUBIC   *         CONC.    LOADING     *         CONC.    LOADING *EFFLUENT*EXCEEDED*
*                                        METRES       *        (MG/L)    KG/DAY      *        (MG/L)    KG/DAY  *  DATA  *        *
*************************************************************************************************************************************


    BEARDMORE                  *MIN*                  *                                       NO 1985 DISCHARGE
                       110002309
    TOWNSHIP                     625                  *  B O D:    96.00        25.06  *  B O D:    0.00        0.00 *
BEARDMORE LAGOON                                      *                                *                             *
      CAPACITY (MIGD):   (    .300)       (     .057 ) *   S S :  116.00        30.28  *   S S :    0.00        0.00 *
      1000 CUBIC METRES:    1.364               .261  *                                *                             *
EXFILTRATION LAGOON                                   * T.PHOS:     4.70         1.23  * T.PHOS:    0.00        0.00 *
                                                      *                                *
                                                      *
                                                      *                   WATERCOURSE: NO DISC.TO SURFACE WATER
                                                      *



    CARAMAT              **                           *                                       NO 1985 DISCHARGE
                       120003085
    UNORGANIZED MUNICIPALITY     150                  *  B O D:     0.00               *  B O D:    0.00             *
CARAMAT WPCP                                          *                                *                             *
      CAPACITY (MIGD):   (    .013)       (           ) *   S S :    0.00               *   S S :    0.00             *
      1000 CUBIC METRES:     .059                     *                                *                             *
EXTENDED AERATION                                     * T.PHOS:     0.00               * T.PHOS:    0.00             *
EXFILTRATION                                          *                                *
                                                      *
                                                      *                   WATERCOURSE: NO DISC.TO SURFACE WATER
                                                      *



    DRYDEN
                       120000248
    TOWN                           0                  *  B O D:   109.00       465.98  *  B O D:    9.60       41.04 *   10
DRYDEN WPCP                                           *                                *                             *
      CAPACITY (MIGD):   (   1.500)       (     .941 ) *   S S :  191.00       816.53  *   S S :   12.60       53.87 *   10       1
      1000 CUBIC METRES:    6.819              4.275  *                                *                             *
CONTACT STABILIZATION                                 * T.PHOS:     4.70        20.09  * T.PHOS:    0.97        4.15 *   10
                                                      *                                *
                                                      *
                                                      *                   WATERCOURSE: WABIGOON RIVER
                                                      *
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                                        NORTHWESTERN  -  REGION

                              1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

************************************************************ I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                    *                             *                             *                 *
*  MUNICIPALITY   / WORKSNUMBER   POP.   AVG DAY FLOW *         ANNUAL  AVERAGE      *         ANNUAL  AVERAGE     * MONTHS          *
*  EXISTING CAPACITY               SERVED    (MIGD)    *                             *                             *   OF   * MONTHS *
*  AND TREATMENT                            1000 CUBIC  *         CONC.    LOADING    *         CONC.    LOADING *EFFLUENT*EXCEEDED*
*                                           METRES     *        (MG/L)    KG/DAY     *        (MG/L)    KG/DAY  *  DATA  *        *
***********************************************************************************************************************************


   EAR FALLS                  *MIN*
                   110001006
   TOWNSHIP                          1750               * B O D:   62.00       80.97 * B O D:   3.90        5.09 *   12
EAR FALLS WPCP                                          *                            *                            *
      CAPACITY (MIGD):   (    .630)        (     .287 ) *  S S :  128.00      167.17 *  S S :  13.10       17.11 *   12        1
      1000 CUBIC METRES:    2.864                1.306  *                            *                            *
EXTENDED AERATION                                       * T.PHOS:    3.50        4.57 * T.PHOS:   1.16        1.51 *   12
CONVERTIBLE OPERATING MODE                              *                            *
                                                        *
                                                        *              WATERCOURSE: ENGLISH RIVER
                                                        *



   EMO                        *MIN*
                   110001015
   TOWNSHIP                           730               * B O D:   73.00       38.69 * B O D:  12.90        6.84 *    3
EMO LAGOON                                              *                            *                            *
      CAPACITY (MIGD):   (    .060)        (     .117 ) *  S S :  126.00       66.78 *  S S :  26.60       14.10 *    3        1
      1000 CUBIC METRES:     .273                 .530  *                            *                            *
CONVENTIONAL LAGOON SEASONAL                            * T.PHOS:    4.32        2.29 * T.PHOS:   1.26        0.67 *    3
                                                        *                            *
                                                        *
                                                        *              WATERCOURSE: RAINY RIVER
                                                        *
                                                        *         REMEDIAL MEASURE: EXPANSION/UPGRADING


   FORT FRANCES               *MIN*
                   110000258
   TOWN                              8750               * B O D:   55.00      480.59 * B O D:  33.20      290.10 *   12
FORT FRANCES WPCP                                       *                            *                            *
      CAPACITY (MIGD):   (  2.000)         (   1.922 ) *  S S :  123.00    1,074.77 *  S S :  62.20      543.50 *   12        5
      1000 CUBIC METRES:    9.092                8.738  *                            *                            *
PRIMARY                                                 * T.PHOS:    2.60       22.72 * T.PHOS:   2.09       18.26 *   12
                                                        *                            *
                                                        *
                                                        *              WATERCOURSE: RAINY RIVER
                                                        *
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                                                 NORTHWESTERN  -  REGION

                                        1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

**************************************************************** I N F L U E N T ************* E F F L U E N T ****** COMPLIANCE ***
*                                                     *                              *                           *                 *
*  MUNICIPALITY   / WORKSNUMBER   POP.   AVG DAY FLOW *        ANNUAL AVERAGE        *        ANNUAL AVERAGE     * MONTHS          *
*  EXISTING CAPACITY              SERVED    (MIGD)    *                              *                           *   OF   * MONTHS *
*  AND TREATMENT                          1000 CUBIC  *        CONC.    LOADING      *        CONC.    LOADING   *EFFLUENT*EXCEEDED*
*                                         METRES      *        (MG/L)   KG/DAY       *        (MG/L)   KG/DAY    *  DATA  *        *
***********************************************************************************************************************************


    GERALDTON                *MIN*
                     110001649
    TOWN                          2901                *  B O D:   87.00      187.66  *  B O D:   4.40       9.49 *   12
GERALDTON WPCP                                        *                              *                           *
      CAPACITY (MIGD):   (   .399)          (    .475 ) *   S S :  145.00      312.77  *   S S :   6.90      14.88 *   12
      1000 CUBIC METRES:    1.814                2.157  *                              *                           *
EXTENDED AERATION                                     * T.PHOS:    4.20        9.06  * T.PHOS:   1.63       3.52 *   12
                                                      *                              *
                                                      *
                                                      *                WATERCOURSE: LAKE KENOGAMISIS
                                                      *



    GOLDEN (BALMERTOWN)      *MIN*
                     110003291
    TOWNSHIP                      1300                *  B O D:   79.00      120.95  *  B O D:   4.20       6.43 *   12
BALMERTOWN WPCP                                       *                              *                           *
      CAPACITY (MIGD):   (   .269)          (    .337 ) *   S S :  101.00      154.63  *   S S :   8.60      13.17 *   12
      1000 CUBIC METRES:    1.223                1.531  *                              *                           *
EXTENDED AERATION                                     * T.PHOS:    4.40        6.74  * T.PHOS:   2.25       3.44 *   12
                                                      *                              *
                                                      *
                                                      *                WATERCOURSE: BALMER  CREEK
                                                      *



    GOLDEN (BALMERTOWN)
                     120000195
    TOWNSHIP                       750                *  B O D:    0.00              *  B O D:   0.00              *
COCHENOVR COMMUNITY WPCP PHASED OUT 1986              *                              *                           *
      CAPACITY (MIGD):   (   .030)          (         ) *   S S :    0.00              *   S S :   0.00              *
      1000 CUBIC METRES:     .136                       *                              *                           *
COMMUNAL SEPTIC TANK                                  * T.PHOS:    0.00              * T.PHOS:   0.00              *
                                                      *                              *
                                                      *
                                                      *                WATERCOURSE: RED LAKE
                                                      *
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                                                    NORTHWESTERN  -  REGION

                                      1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

***************************************************************** I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                      *                              *                           *                 *
*  MUNICIPALITY   / WORKSNUMBER   POP.    AVG DAY FLOW *        ANNUAL AVERAGE        *        ANNUAL AVERAGE     * MONTHS          *
*  EXISTING CAPACITY              SERVED     (MIGD)    *                              *                           *   OF    * MONTHS *
*  AND TREATMENT                          1000 CUBIC   *        CONC.     LOADING     *        CONC.     LOADING  *EFFLUENT*EXCEEDED*
*                                         METRES       *        (MG/L)    KG/DAY      *        (MG/L)    KG/DAY   *  DATA  *        *
*************************************************************************************************************************************


    GOLDEN (COCHENOUR)          *MIN*                  *                                          NO 1985 DISCHARGE
                       110002504
    TOWNSHIP                          800              * B O D:     0.00         0.00  * B O D:   0.00         0.00 *
COCHENOUR LAGOON                                       *                               *                            *
      CAPACITY (MIGD):   (   .169)         (     .053 ) *  S S :     0.00         0.00  *  S S :   0.00         0.00 *
      1000 CUBIC METRES:     .768                .242  *                               *                            *
CONVENTIONAL LAGOON SEASONAL                           * T.PHOS:    0.00         0.00  * T.PHOS:  0.00         0.00 *
                                                       *                               *
                                                       *
                                                       *                  WATERCOURSE: RED LAKE
                                                       *



    IGNACE                     *MIN*
                       110001355
    TOWNSHIP                         2285              * B O D:    66.00       115.90  * B O D:   2.50         4.39 *   12
IGNACE WPCP                                            *                               *                            *
      CAPACITY (MIGD):   (   .549)         (     .386 ) *  S S :   105.00       184.38  *  S S :  12.00        21.07 *   12        1
      1000 CUBIC METRES:    2.496               1.756  *                               *                            *
EXTENDED AERATION                                      * T.PHOS:    4.00         7.02  * T.PHOS:  0.67         1.18 *   12        1
PHOSPHORUS REMOVAL-CONTINUOUS                          *                               *
                                                       *
                                                       *                  WATERCOURSE: AGIMAC CREEK
                                                       *



    KENORA
                       120000239
    TOWN                            12000              * B O D:    87.00       845.38  * B O D:  15.90       154.50 *   12        3
KENORA WPCP                                            *                               *                            *
      CAPACITY (MIGD):   (  4.000)         (    2.138 ) *  S S :   182.00     1,768.49  *  S S :  13.20       128.26 *   12
      1000 CUBIC METRES:   18.184               9.717  *                               *                            *
CONTACT STABILIZATION                                  * T.PHOS:    4.80        46.64  * T.PHOS:  0.59         5.73 *   12
                                                       *                               *
                                                       *
                                                       *                  WATERCOURSE: WINNIPEG RIVER
                                                       *
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                                        NORTHWESTERN  -  REGION

                           1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

****************************************************************** I N F L U E N T ************ E F F L U E N T ****** COMPLIANCE ***
*                                                        *                              *                              *                 *
*  MUNICIPALITY   / WORKSNUMBER  POP.   AVG DAY FLOW *          ANNUAL AVERAGE        *          ANNUAL AVERAGE      * MONTHS          *
*  EXISTING CAPACITY              SERVED     (MIGD)     *                                *                              *   OF    * MONTHS *
*  AND TREATMENT                         1000 CUBIC    *        CONC.       LOADING     *        CONC.      LOADING  *EFFLUENT*EXCEEDED*
*                                        METRES        *        (MG/L)      KG/DAY      *        (MG/L)     KG/DAY   *  DATA  *        *
*****************************************************************************************************************************************


    LONGLAC                   *MIN*
                    110001042
    TOWN                         2900                  *  B O D:    77.00       177.02  *  B O D:  11.00       25.29 *   12        1
LONGLAC WPCP                                           *                                *                              *
      CAPACITY (MIGD):   (    .515)        (      .506 ) *   S S :  169.00       388.53  *   S S :  20.60       47.36 *   12        2
      1000 CUBIC METRES:     2.341               2.299  *                                *                              *
CONTACT STABILIZATION                                  * T.PHOS:     4.40        10.12  * T.PHOS:   0.98        2.25 *   12
                                                        *                                *
                                                        *
                                                        *                 WATERCOURSE: MAKING GROUND RIVER
                                                        *



    MANITOUWADGE
                    120000480
    TOWNSHIP                     3084                  *  B O D:    29.00        85.55  *  B O D:  10.20       30.09 *    6        2
MANITOUWADGE WPCP                                      *                                *                              *
      CAPACITY (MIGD):   (    .400)        (      .649 ) *   S S :   55.00       162.25  *   S S :  14.80       43.66 *    6        1
      1000 CUBIC METRES:     1.818               2.950  *                                *                              *
COMMUNAL SEPTIC TANK                                   * T.PHOS:     1.90         5.61  * T.PHOS:   1.48        4.37 *    6
                                                        *                                *
                                                        *
                                                        *                 WATERCOURSE: BOGGY LAKE
                                                        *



    MARATHON                  *MIN*
                    120000471
    TOWNSHIP                     2317                  *  B O D:    96.00       144.38  *  B O D:   2.10        3.16 *   12
MARATHON WPCP                                          *                                *                              *
      CAPACITY (MIGD):   (    .439)        (      .331 ) *   S S :  154.00       231.62  *   S S :   3.60        5.41 *   12
      1000 CUBIC METRES:     1.996               1.504  *                                *                              *
EXTENDED AERATION                                      * T.PHOS:     5.50         8.27  * T.PHOS:   3.03        4.56 *   12
                                                        *                                *
                                                        *
                                                        *                 WATERCOURSE: LAKE SUPERIOR
                                                        *
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                                                 NORTHWESTERN  -  REGION

                                        1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

**************************************************************** I N F L U E N T ************* E F F L U E N T ****** COMPLIANCE ***
*                                                     *                              *                           *                 *
*  MUNICIPALITY   / WORKSNUMBER   POP.   AVG DAY FLOW *           ANNUAL AVERAGE     *          ANNUAL AVERAGE   * MONTHS          *
*  EXISTING CAPACITY              SERVED    (MIGD)    *                              *                           *   OF   * MONTHS *
*  AND TREATMENT                          1000 CUBIC  *           CONC.    LOADING   *          CONC.    LOADING *EFFLUENT*EXCEEDED*
*                                         METRES      *          (MG/L)    KG/DAY    *          (MG/L)   KG/DAY  *  DATA  *        *
************************************************************************************************************************************


    NAKINA                     *MIN*
                       110003308
    TOWNSHIP                             976              *  B O D:   80.00       37.44  *  B O D:   2.90       1.36 *   12
NAKINA WPCP                                           *                              *                           *
      CAPACITY (MIGD):   (   .110)        (    .103 ) *   S S :  137.00       64.12  *   S S :   8.80       4.12 *   12
      1000 CUBIC METRES:     .500              .468   *                              *                           *
EXTENDED AERATION                                     * T.PHOS:    4.30        2.01  * T.PHOS:   1.63       0.76 *   12
CONVERTIBLE OPERATING MODE                            *                              *
                                                      *
                                                      *                   WATERCOURSE: BALKAM  CREEK
                                                      *



    NIPIGON
                       120000514
    TOWNSHIP                            2180              *  B O D:   84.00      209.08  *  B O D:    .8      12     *
NIPIGON WPCP                                          *                              *
      CAPACITY (MIGD):   (   .360)        (    .548 ) *   S S :  121.00      301.17  *   S S :
      1000 CUBIC METRES:    1.637             2.489   *                              *
PRIMARY                                               * T.PHOS:    4.90       12.20  * T.PHOS:
                                                      *                              *
                                                      *
                                                      *                   WATERCOURSE: NIPIGON F
                                                      *



    PICKLE LAKE                *MIN*
                       110002185
    TOWNSHIP                             325              *  B O D:   16.00        5.26  *  B O D:
PICKLE LAKE WPCP                                      *                              *
      CAPACITY (MIGD):   (   .200)        (    .072 ) *   S S :   33.00       10.86  *   S S :
      1000 CUBIC METRES:     .909              .329   *                              *
EXTENDED AERATION                                     * T.PHOS:    0.80        0.26  * T.PHOS:
                                                      *                              *
                                                      *
                                                      *                   WATERCOURSE: KAWINOGAN
                                                      *
                                        NORTHWESTERN  -  REGION

                              1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

****************************************************************** I N F L U E N T ************* E F F L U E N T ****** COMPLIANCE ***
*                                                       *                               *                            *                  *
*  MUNICIPALITY   / WORKSNUMBER   POP.   AVG DAY FLOW  *          ANNUAL  AVERAGE       *          ANNUAL  AVERAGE   * MONTHS           *
*  EXISTING CAPACITY              SERVED    (MIGD)     *                                *                            *   OF    * MONTHS *
*  AND TREATMENT                          1000 CUBIC   *          CONC.     LOADING     *          CONC.     LOADING *EFFLUENT*EXCEEDED*
*                                         METRES       *          (MG/L)    KG/DAY      *          (MG/L)    KG/DAY  *  DATA  *         *
*****************************************************************************************************************************************


    RED LAKE                   *MIN*
                    110001131
    TOWNSHIP                     1945                  *  B O D:   56.00      107.63  *  B O D:   4.50      8.65 *   12
RED LAKE WPCP                                          *                              *                          *
      CAPACITY (MIGD):   (    .542)         (     .423 ) *   S S :   72.00      138.38  *   S S :   8.30     15.95 *   12
      1000 CUBIC METRES:    2.464                1.922 *                              *                          *
EXTENDED AERATION                                      * T.PHOS:    3.00        5.77  * T.PHOS:   1.36      2.61 *   12
                                                       *                              *
                                                       *
                                                       *               WATERCOURSE: HOWEY BAY
                                                       *



    RED ROCK
                    120001817
    TOWNSHIP                     1150                  *  B O D:   74.00       58.61  *  B O D:  39.40     31.20 *   12        2
RED ROCK WPCP                                          *                              *                          *
      CAPACITY (MIGD):   (    .280)         (     .174 ) *   S S :  158.00      125.14  *   S S :  33.70     26.69 *   12
      1000 CUBIC METRES:    1.273                 .792 *                              *                          *
PRIMARY                                                * T.PHOS:    4.10        3.25  * T.PHOS:   2.85      2.26 *   12
                                                       *                              *
                                                       *
                                                       *               WATERCOURSE: NIPIGON BAY
                                                       *



    SCHREIBER                  *MIN*
                    110002112
    TOWNSHIP                     1937                  *  B O D:  105.00       88.94  *  B O D:  20.40     17.28 *   12        3
SCHREIBER WPCP                                         *                              *                          *
      CAPACITY (MIGD):   (    .250)         (     .186 ) *   S S :  129.00      109.26  *   S S :  20.00     16.94 *   12        2
      1000 CUBIC METRES:    1.137                 .847 *                              *                          *
EXTENDED AERATION                                      * T.PHOS:    4.90        4.15  * T.PHOS:   2.22      1.88 *   12
CONTACT STABILIZATION                                  *                              *
CONVERTIBLE OPERATING MODE                             *
                                                       *               WATERCOURSE: CREEK TO L.SUPERIOR
                                                       *
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                                                 NORTHWESTERN  -  REGION

                                        1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

**************************************************************** I N F L U E N T ************* E F F L U E N T ****** COMPLIANCE ***
*                                                     *                              *                           *                 *
*  MUNICIPALITY   / WORKSNUMBER   POP.   AVG DAY FLOW *           ANNUAL AVERAGE     *          ANNUAL AVERAGE   * MONTHS          *
*  EXISTING CAPACITY              SERVED    (MIGD)    *                              *                           *   OF   * MONTHS *
*  AND TREATMENT                          1000 CUBIC  *           CONC.    LOADING   *          CONC.    LOADING *EFFLUENT*EXCEEDED*
*                                         METRES      *          (MG/L)    KG/DAY    *          (MG/L)   KG/DAY  *  DATA  *        *
************************************************************************************************************************************


    SIOUX LOOKOUT
                       120000220
    TOWN                            3006              *  B O D: 100.00      203.60  *  B O D: 10.30      20.97 *   12        1
SIOUX LOOKOUT WPCP                                    *                              *                           *
      CAPACITY (MIGD):   (   .500)        (    .448 ) *   S S : 171.00      348.16  *   S S : 10.90      22.19 *   12        1
      1000 CUBIC METRES:    2.273             2.036   *                              *                           *
CONVENTIONAL ACTIVATED SLUDGE                         * T.PHOS:    4.90        9.98  * T.PHOS:   3.15       6.41 *   12
                                                      *                              *
                                                      *
                                                      *                   WATERCOURSE: PELICAN LAKE
                                                      *
                                                      *              REMEDIAL MEASURE: EXPANSION/UPGRADING


    TERRACE BAY (LAGOON)  **                          *                                       NO 1985 DISCHARGE
                       120000499
    TOWNSHIP                        2000              *  B O D: 104.00       13.73  *  B O D:   0.00       0.00 *
TERRACE BAY LAGOON                                    *                              *                           *
      CAPACITY (MIGD):   (   .300)        (    .029 ) *   S S : 134.00       17.69  *   S S :   0.00       0.00 *
      1000 CUBIC METRES:    1.364               .132  *                              *                           *
CONVENTIONAL LAGOON CONTINUOUS                        * T.PHOS:    5.70        0.75  * T.PHOS:   0.00       0.00 *
EXFILTRATION LAGOON                                   *                              *
                                                      *
                                                      *                   WATERCOURSE: NO DISC.TO SURFACE WATER
                                                      *


    TERRACE BAY (WPCP)    **                          *                                       NO 1985 DISCHARGE
                       120003030
    TOWNSHIP                         500              *  B O D: 104.00       13.73  *  B O D:   0.00       0.00 *
TERRACE BAY WPCP                                      *                              *                           *
      CAPACITY (MIGD):   (   .120)        (    .029 ) *   S S : 134.00       17.69  *   S S :   0.00       0.00 *
      1000 CUBIC METRES:     .546               .132  *                              *                           *
EXTENDED AERATION                                     * T.PHOS:    5.70        0.75  * T.PHOS:   0.00       0.00 *
EXFILTRATION LAGOON                                   *                              *
                                                      *
                                                      *                   WATERCOURSE: NO DISC.TO SURFACE WATER
                                                      *
                                                 NORTHWESTERN  -  REGION

                                        1985 DATA  -  MUNICIPAL  WASTEWATER  TREATMENT FACILITIES

**************************************************************** I N F L U E N T ************* E F F L U E N T ****** COMPLIANCE ***
*                                                     *                               *                          *                 *
*  MUNICIPALITY   / WORKSNUMBER   POP.   AVG DAY FLOW *           ANNUAL AVERAGE      *         ANNUAL AVERAGE   * MONTHS          *
*  EXISTING CAPACITY              SERVED    (MIGD)    *                               *                          *   OF   * MONTHS *
*  AND TREATMENT                          1000 CUBIC  *           CONC.    LOADING    *         CONC.    LOADING *EFFLUENT*EXCEEDED*
*                                         METRES      *           (MG/L)   KG/DAY     *         (MG/L)   KG/DAY  *  DATA  *        *
************************************************************************************************************************************


    THUNDER BAY
                       120004805
    CITY                          101527              *  B O D:  138.00   15,700.67   * B O D:  51.40   5,847.93 *   12        2
THUNDER BAY WPCP                                      *                               *                          *
      CAPACITY (MIGD):   ( 24.000)        ( 25.030 )  *   S S :  209.00   23,778.56   *  S S :  33.70   3,834.15 *   12
      1000 CUBIC METRES:  109.104           113.773   *                               *                          *
PRIMARY                                               * T.PHOS:    3.40      386.83   * T.PHOS:  1.01     114.91 *   12        4
PHOSPHORUS REMOVAL-CONTINUOUS                         *                               *
                                                      *
                                                      *                   WATERCOURSE: KAMINISTIKWIA RIVER
                                                      *
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